

NEWFIELD



Route #3 Box 3630
Myton, Utah 84052
(435) 646-4825, FAX: (435) 646-3031

June 20, 2008

State of Utah
Division of Oil, Gas & Mining
Attn: Diana Mason
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill
Greater Boundary II Federal Q-27-8-17 **Pariette Federal R-34-8-18**
Jonah Federal S-12-9-16 **Jonah Federal N-14-9-16**
Jonah Federal H-14-9-16 **Jonah Federal K-15-9-16**
Jonah Federal I-14-9-16

Dear Diana:

Enclosed find APD's on the above referenced wells. Our Land Department will send you the required Directional Drill Letters. If you have any questions, feel free to give either Dave Allred or myself a call.

Sincerely,

Mandie Crozier
Regulatory Specialist

mc
enclosures

RECEIVED
JUN 25 2008
DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

5. Lease Serial No.

UTU-017985

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA Agreement, Name and No.

Jonah Unit

8. Lease Name and Well No.

Jonah Federal K-15-9-16

9. API Well No.

43013-34014

10. Field and Pool, or Exploratory

Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 15, T9S R16E

12. County or Parish

Duchesne

13. State

UT

1a. Type of Work: ☒ DRILL

☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other

☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Newfield Production Company

3a. Address

Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)

(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. *)

At surface SE/NE 1839' FNL 820' FEL

At proposed prod. zone 2590' FSL 170' FEL

14. Distance in miles and direction from nearest town or post office*

Approximately 17.5 miles southwest of Myton, Utah

15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any)

Approx. 170' f/line, 2590' f/unit

16. No. of Acres in lease

560.00

17. Spacing Unit dedicated to this well

20 Acres

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft.

Approx. 1478'

19. Proposed Depth

5970'

20. BLM/BIA Bond No. on file

WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5659' GL

22. Approximate date work will start*

4th Quarter 2008

23. Estimated duration

Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

Mandie Crozier

Name (Printed/Typed)

Mandie Crozier

Date

6/20/08

Title

Regulatory Specialist

Approved by (Signature)

Bradley G. Hill

Name (Printed/Typed)

BRADLEY G. HILL

Date

07-07-08

Title

OFFICE ENVIRONMENTAL MANAGER

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

Federal Approval of this
Action is Necessary

RECEIVED

JUN 25 2008

DIV. OF OIL, GAS & MINING

576935X

4431599Y

40.032998

-110.698240

577135X

4431340Y

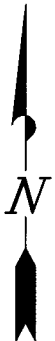
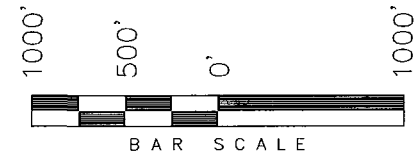
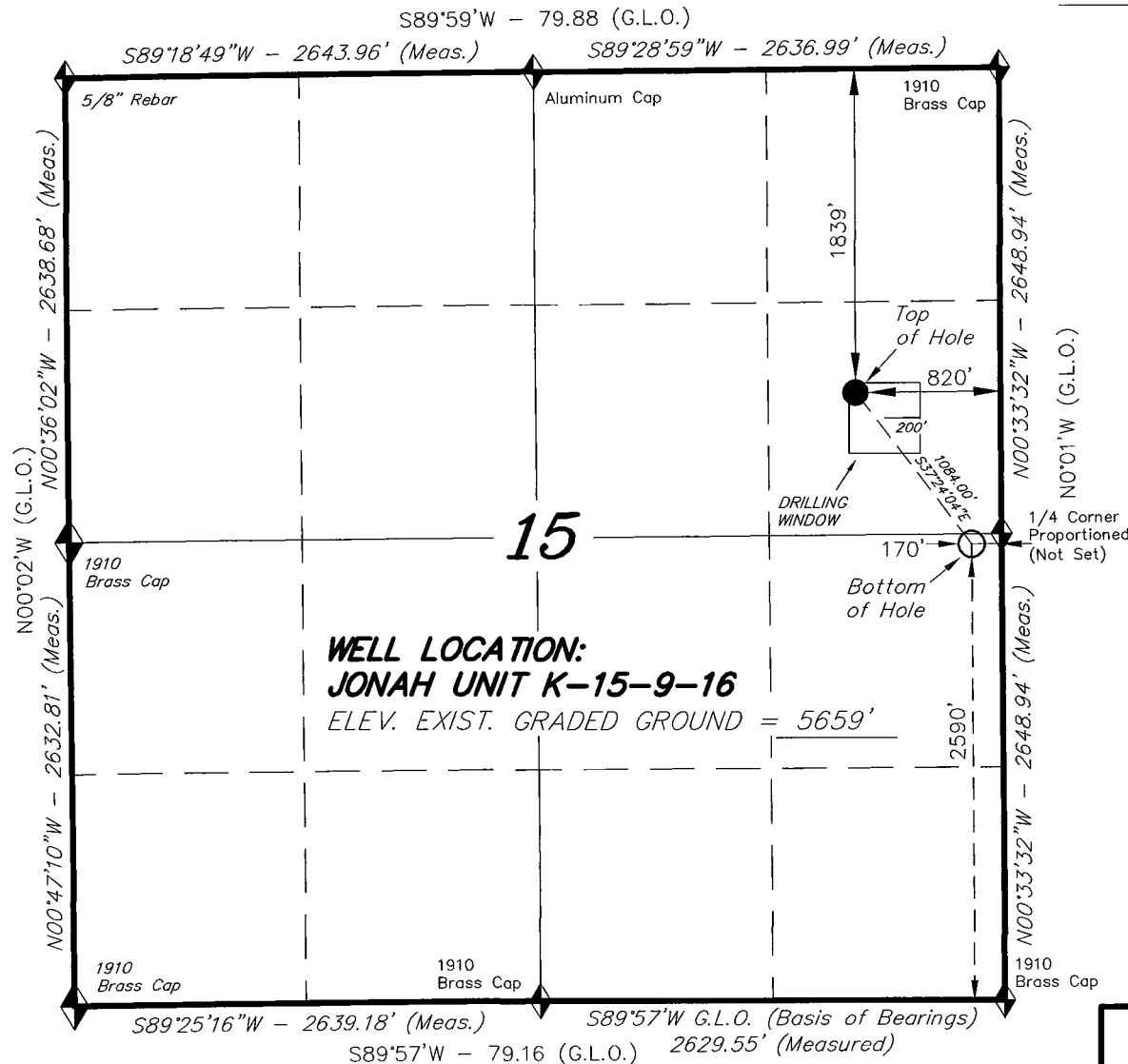
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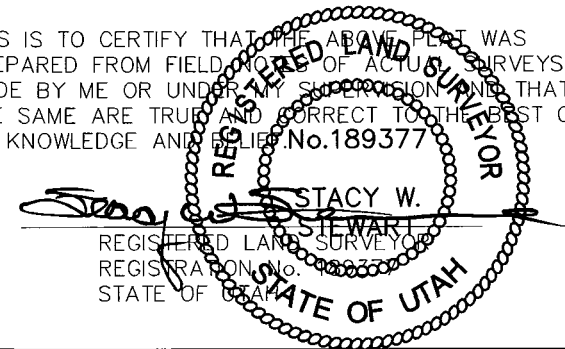
T9S, R16E, S.L.B.&M.

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, JONAH UNIT K-15-9-16,
LOCATED AS SHOWN IN THE SE 1/4 NE
1/4 OF SECTION 15, T9S, R16E, S.L.B.&M.
DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF. No. 189377



TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 04-26-08	SURVEYED BY: T.H.
DATE DRAWN: 04-29-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

JONAH UNIT K-15-9-16
(Surface Location) NAD 83
LATITUDE = 40° 01' 58.97"
LONGITUDE = 110° 05' 56.14"

**NEWFIELD PRODUCTION COMPANY
JONAH FEDERAL K-15-9-16
AT SURFACE: SE/NE SECTION 15, T9S, R16E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' – 1421'
Green River	1421'
Wasatch	5970'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 1421' – 5970' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY
JONAH FEDERAL K-15-9-16
AT SURFACE: SE/NE SECTION 15, T9S, R16E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Jonah Federal K-15-9-16 located in the SE 1/4 NE 1/4 Section 15, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles \pm to the junction of this highway and UT State Hwy 53; proceed southeasterly - 10.0 miles \pm to it's junction with an existing dirt road to the southwest; proceed southwesterly - 5.3 miles \pm to it's junction with an existing road to the east; proceed easterly - 0.8 miles \pm to it's junction with the beginning of the access road to the existing Castle Peak Fed. 42-15-9-16 well lcoation.

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing Castle Peak Fed. 42-15-9-16 well pad. See attached Topographic Map "B".

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

The proposed well will be drilled directionally off of the Castle Peak Fed. 42-15-9-16 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Jonah Federal K-15-9-16. All permanent surface equipment will be painted Carlsbad Canyon.

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. LOCATION AND TYPE OF WATER SUPPLY

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District
Water Right: 43-10136

Neil Moon Pond
Water Right: 43-11787

Maurice Harvey Pond
Water Right: 47-1358

Newfield Collector Well
Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. **SOURCE OF CONSTRUCTION MATERIALS**

The proposed Jonah Federal K-15-9-16 will be drilled off of the existing Castle Peak Fed. 42-15-9-16 well pad. No additional surface disturbance will be required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

8. **ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management (Proposed location and access roads leading to).

12. **OTHER ADDITIONAL INFORMATION**

Newfield Production Company requests 820' of disturbed area be granted in Lease UTU-017985 to allow for construction of the proposed water lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line and 30' wide upon completion of the proposed water lines. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP. In the event that the proposed well is converted to a water injection well, a separate injection permit will be applied for through the proper agencies.

The Archaeological Resource Survey and Paleontological Resource Survey for the 1880' of proposed water injection line are attached. MOAC Report #08-138, 6/18/08. Paleontological Resource Survey prepared by, Wade E. Miller, 5/29/08. See attached report cover pages, **Exhibit "D"**.

Water Disposal

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), State of Utah approved surface disposal facilities, or Federally approved surface disposal facilities.

Threatened, Endangered, And Other Sensitive Species

Golden Eagle: Due to this proposed well access roads proximity (less than 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed between Feb 1 and July 15. If the nest remains inactive on July 15th (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location between July 15

and Feb. 1 of the following year. If the nest site becomes active prior to July 15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels

Reserve Pit Liner

A 16 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Squirrell Tail	<i>Elymus Elymoides</i>	6 lbs/acre
Siberian Wheatgrass	<i>Agropyron Fragile</i>	2 lbs/acre
Gardner Saltbush	<i>Atriplex Gardneri</i>	1 lbs/acre
Shadscale	<i>Atriplex Confertifolia</i>	1 lbs/acre
Fourwing Saltbush	<i>Atriplex Canescens</i>	1 lbs/acre
Scarlet Globemallow	<i>Sphaeralcea Conccinea</i>	0.20 lbs/acre
Forage Kochia	<i>Kochia Prostrata</i>	0.20 lbs/acre

Details of the On-Site Inspection

The proposed Jonah Federal K-15-9-16 was on-sited on 6/11/08. The following were present; Dave Allred (Newfield Production), Kevan Stevens (Newfield Production), Michael Cutler (Bureau of Land Management), Brandon McDonald (Bureau of Land Management), and James Herford (Bureau of Land Management). Weather conditions were clear and ground cover was 100% open.

LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name: Dave Allred
Address: Route #3 Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

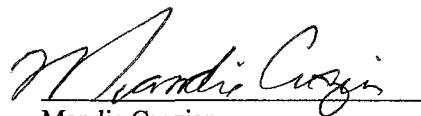
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #K-15-9-16 SE/NE Section 15, Township 9S, Range 16E: Lease UTU-017985 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

6/20/08

Date


Mandie Crozier
Regulatory Specialist
Newfield Production Company



Scientific Drilling
Rocky Mountain Operations

Project: Duchesne County, UT NAD83 UTC
Site: Jonah Unit
Well: Jonah Unit K-15-9-16
Wellbore: OH
Design: Plan #1

Newfield Exploration Co.

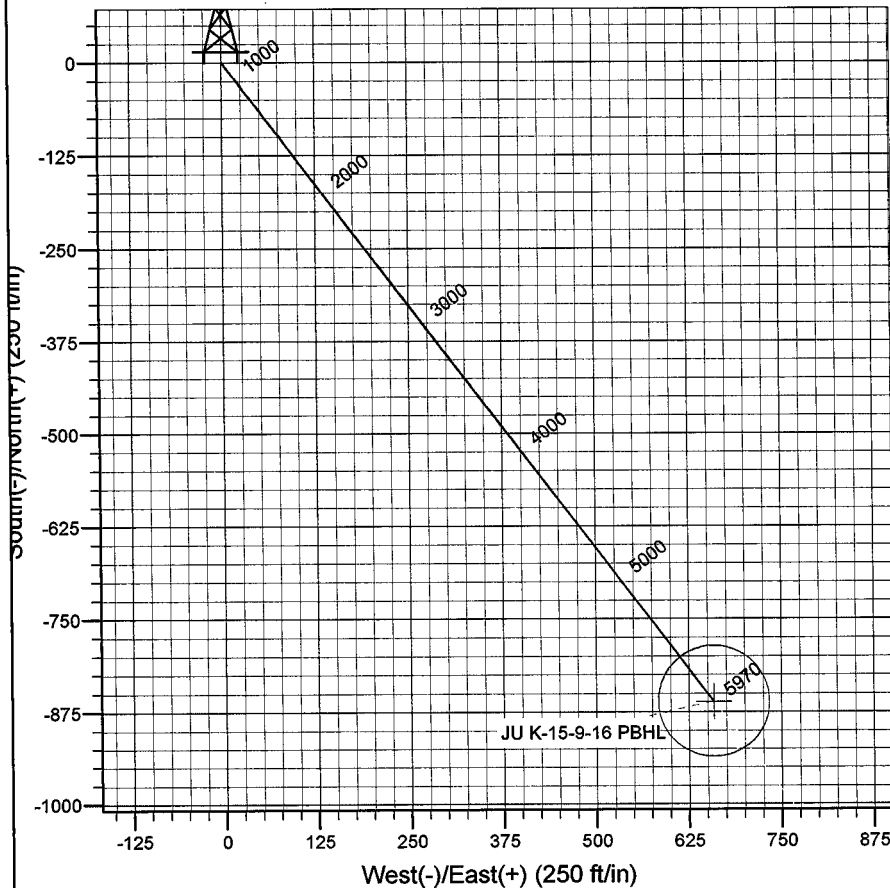
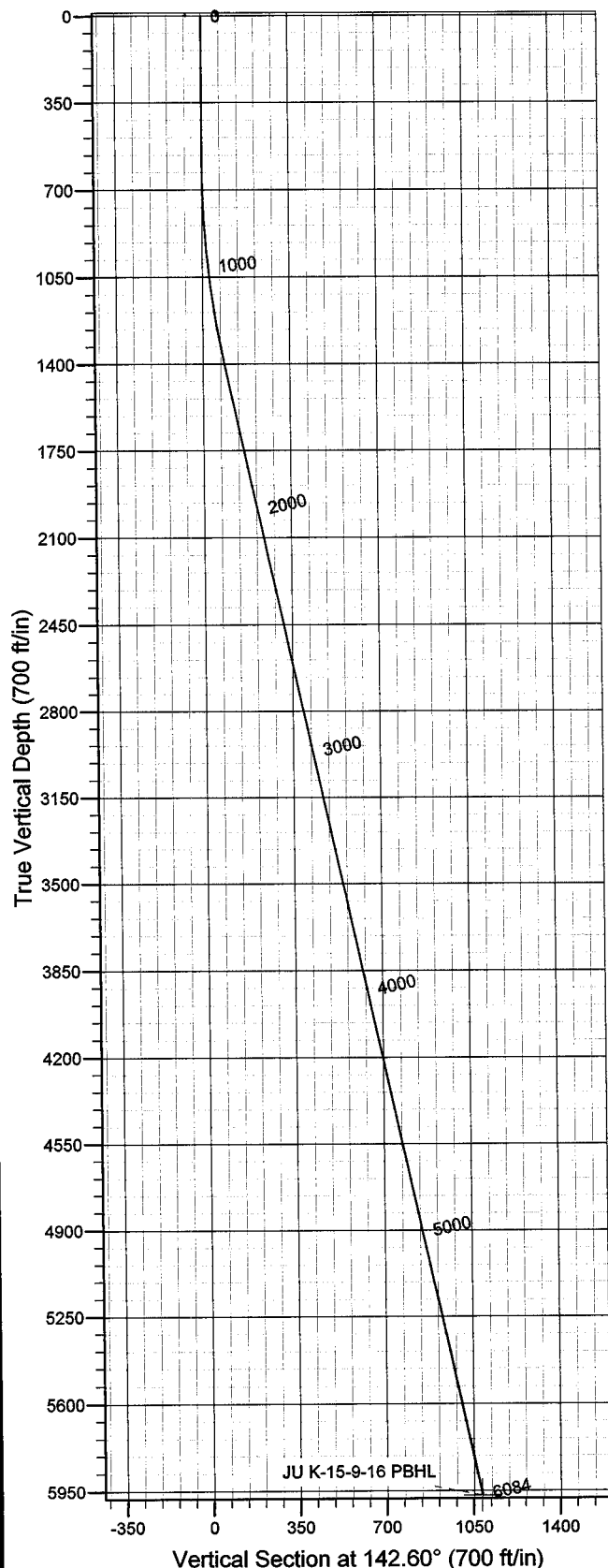


Azimuths to True North
Magnetic North: 11.70°

Magnetic Field
Strength: 52580.1snT
Dip Angle: 65.86°
Date: 2008-06-10
Model: IGRF2005-10

WELL DETAILS: Jonah Unit K-15-9-16

GL 5659' & RKB 12' @ 5671.00ft 5659.00
+N/-S 0.00 +E/-W 0.00 Northing 7183848.05 Easting 2032706.65 Latitude 40° 1' 58.970 N Longitude 110° 5' 56.140 W



Plan: Plan #1 (Jonah Unit K-15-9-16/OH)

Created By: Julie Cruse Date: 2008-06-10

PROJECT DETAILS: Duchesne County, UT NAD83 UTC

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Utah Central Zone
Location:
System Datum: Mean Sea Level
Local North: True

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	
1422.31	12.33	142.60	1415.98	-70.05	53.55	1.50	142.60	88.17	
6083.94	12.33	142.60	5970.00	-861.15	658.40	0.00	0.00	1084.00	JU K-15-9-16 PBHL

Newfield Exploration Co.

Duchesne County, UT NAD83 UTC

Jonah Unit

Jonah Unit K-15-9-16

OH

Plan: Plan #1

Standard Planning Report

10 June, 2008

Scientific Drilling

Planning Report

Database: EDM 2003.16 Multi-User Db
Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Jonah Unit
Well: Jonah Unit K-15-9-16
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Jonah Unit K-15-9-16
TVD Reference: GL 5659' & RKB 12' @ 5671.00ft
MD Reference: GL 5659' & RKB 12' @ 5671.00ft
North Reference: True
Survey Calculation Method: Minimum Curvature

Project	Duchesne County, UT NAD83 UTC		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	Jonah Unit,		
Site Position:		Northing:	7,195,384.71 ft
From:	Lat/Long	Easting:	2,044,880.81 ft
Position Uncertainty:	0.00 ft	Slot Radius:	in
		Latitude:	40° 3' 51.060 N
		Longitude:	110° 3' 17.240 W
		Grid Convergence:	0.93 °

Well	Jonah Unit K-15-9-16, 1839' FNL 820' FEL Sec 15 T9S R16E		
Well Position	+N/-S	0.00 ft	Northing: 7,183,848.05 ft
	+E/-W	0.00 ft	Easting: 2,032,706.65 ft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	40° 1' 58.970 N
		Longitude:	110° 5' 56.140 W
		Ground Level:	5,659.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	2008-06-10	11.70	65.86	52,580

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	142.60

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,422.31	12.33	142.60	1,415.98	-70.05	53.55	1.50	1.50	0.00	142.60	
6,083.94	12.33	142.60	5,970.00	-861.15	658.40	0.00	0.00	0.00	0.00	JU K-15-9-16 PBHL

Scientific Drilling

Planning Report

Database: EDM 2003.16 Multi-User Db
Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Jonah Unit
Well: Jonah Unit K-15-9-16
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Jonah Unit K-15-9-16
TVD Reference: GL 5659' & RKB 12' @ 5671.00ft
MD Reference: GL 5659' & RKB 12' @ 5671.00ft
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	1.50	142.60	699.99	-1.04	0.80	1.31	1.50	1.50	0.00
800.00	3.00	142.60	799.91	-4.16	3.18	5.23	1.50	1.50	0.00
900.00	4.50	142.60	899.69	-9.35	7.15	11.77	1.50	1.50	0.00
1,000.00	6.00	142.60	999.27	-16.62	12.71	20.92	1.50	1.50	0.00
1,100.00	7.50	142.60	1,098.57	-25.96	19.85	32.68	1.50	1.50	0.00
1,200.00	9.00	142.60	1,197.54	-37.36	28.56	47.03	1.50	1.50	0.00
1,300.00	10.50	142.60	1,296.09	-50.81	38.85	63.96	1.50	1.50	0.00
1,400.00	12.00	142.60	1,394.16	-66.31	50.70	83.47	1.50	1.50	0.00
1,422.31	12.33	142.60	1,415.98	-70.05	53.55	88.17	1.50	1.50	0.00
1,500.00	12.33	142.60	1,491.87	-83.23	63.63	104.77	0.00	0.00	0.00
1,600.00	12.33	142.60	1,589.56	-100.20	76.61	126.13	0.00	0.00	0.00
1,700.00	12.33	142.60	1,687.25	-117.17	89.58	147.49	0.00	0.00	0.00
1,800.00	12.33	142.60	1,784.94	-134.14	102.56	168.86	0.00	0.00	0.00
1,900.00	12.33	142.60	1,882.64	-151.11	115.53	190.22	0.00	0.00	0.00
2,000.00	12.33	142.60	1,980.33	-168.08	128.51	211.58	0.00	0.00	0.00
2,100.00	12.33	142.60	2,078.02	-185.05	141.48	232.94	0.00	0.00	0.00
2,200.00	12.33	142.60	2,175.71	-202.02	154.46	254.30	0.00	0.00	0.00
2,300.00	12.33	142.60	2,273.40	-218.99	167.43	275.67	0.00	0.00	0.00
2,400.00	12.33	142.60	2,371.09	-235.96	180.41	297.03	0.00	0.00	0.00
2,500.00	12.33	142.60	2,468.79	-252.93	193.38	318.39	0.00	0.00	0.00
2,600.00	12.33	142.60	2,566.48	-269.90	206.36	339.75	0.00	0.00	0.00
2,700.00	12.33	142.60	2,664.17	-286.87	219.33	361.11	0.00	0.00	0.00
2,800.00	12.33	142.60	2,761.86	-303.85	232.31	382.48	0.00	0.00	0.00
2,900.00	12.33	142.60	2,859.55	-320.82	245.28	403.84	0.00	0.00	0.00
3,000.00	12.33	142.60	2,957.24	-337.79	258.26	425.20	0.00	0.00	0.00
3,100.00	12.33	142.60	3,054.94	-354.76	271.23	446.56	0.00	0.00	0.00
3,200.00	12.33	142.60	3,152.63	-371.73	284.21	467.93	0.00	0.00	0.00
3,300.00	12.33	142.60	3,250.32	-388.70	297.18	489.29	0.00	0.00	0.00
3,400.00	12.33	142.60	3,348.01	-405.67	310.16	510.65	0.00	0.00	0.00
3,500.00	12.33	142.60	3,445.70	-422.64	323.13	532.01	0.00	0.00	0.00
3,600.00	12.33	142.60	3,543.39	-439.61	336.11	553.37	0.00	0.00	0.00
3,700.00	12.33	142.60	3,641.09	-456.58	349.08	574.74	0.00	0.00	0.00
3,800.00	12.33	142.60	3,738.78	-473.55	362.06	596.10	0.00	0.00	0.00
3,900.00	12.33	142.60	3,836.47	-490.52	375.03	617.46	0.00	0.00	0.00
4,000.00	12.33	142.60	3,934.16	-507.49	388.01	638.82	0.00	0.00	0.00
4,100.00	12.33	142.60	4,031.85	-524.46	400.98	660.19	0.00	0.00	0.00
4,200.00	12.33	142.60	4,129.54	-541.43	413.96	681.55	0.00	0.00	0.00
4,300.00	12.33	142.60	4,227.24	-558.40	426.93	702.91	0.00	0.00	0.00
4,400.00	12.33	142.60	4,324.93	-575.37	439.91	724.27	0.00	0.00	0.00
4,500.00	12.33	142.60	4,422.62	-592.34	452.88	745.63	0.00	0.00	0.00
4,600.00	12.33	142.60	4,520.31	-609.31	465.86	767.00	0.00	0.00	0.00
4,700.00	12.33	142.60	4,618.00	-626.28	478.83	788.36	0.00	0.00	0.00
4,800.00	12.33	142.60	4,715.69	-643.25	491.81	809.72	0.00	0.00	0.00
4,900.00	12.33	142.60	4,813.39	-660.22	504.78	831.08	0.00	0.00	0.00
5,000.00	12.33	142.60	4,911.08	-677.20	517.75	852.45	0.00	0.00	0.00
5,100.00	12.33	142.60	5,008.77	-694.17	530.73	873.81	0.00	0.00	0.00
5,200.00	12.33	142.60	5,106.46	-711.14	543.70	895.17	0.00	0.00	0.00

Scientific Drilling

Planning Report

Database: EDM 2003.16 Multi-User Db
Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Jonah Unit
Well: Jonah Unit K-15-9-16
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Jonah Unit K-15-9-16
TVD Reference: GL 5659' & RKB 12' @ 5671.00ft
MD Reference: GL 5659' & RKB 12' @ 5671.00ft
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.00	12.33	142.60	5,204.15	-728.11	556.68	916.53	0.00	0.00	0.00
5,400.00	12.33	142.60	5,301.84	-745.08	569.65	937.89	0.00	0.00	0.00
5,500.00	12.33	142.60	5,399.54	-762.05	582.63	959.26	0.00	0.00	0.00
5,600.00	12.33	142.60	5,497.23	-779.02	595.60	980.62	0.00	0.00	0.00
5,700.00	12.33	142.60	5,594.92	-795.99	608.58	1,001.98	0.00	0.00	0.00
5,800.00	12.33	142.60	5,692.61	-812.96	621.55	1,023.34	0.00	0.00	0.00
5,900.00	12.33	142.60	5,790.30	-829.93	634.53	1,044.71	0.00	0.00	0.00
6,000.00	12.33	142.60	5,887.99	-846.90	647.50	1,066.07	0.00	0.00	0.00
6,083.94	12.33	142.60	5,970.00	-861.15	658.40	1,084.00	0.00	0.00	0.00

Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target - Shape									
JU K-15-9-16 PBHL - plan hits target center - Circle (radius 75.00)	0.00	0.00	5,970.00	-861.15	658.40	7,182,997.33	2,033,378.45	40° 1' 50.459 N	110° 5' 47.675 W

NEWFIELD PRODUCTION COMPANY

WELL PAD INTERFERENCE PLAT

JONAH UNIT K-15-9-16 (Proposed Well)

JONAH UNIT 42-15-9-16 (Existing Well)

Pad Location: SENE Section 15, T9S, R16E, S.L.B.&M.

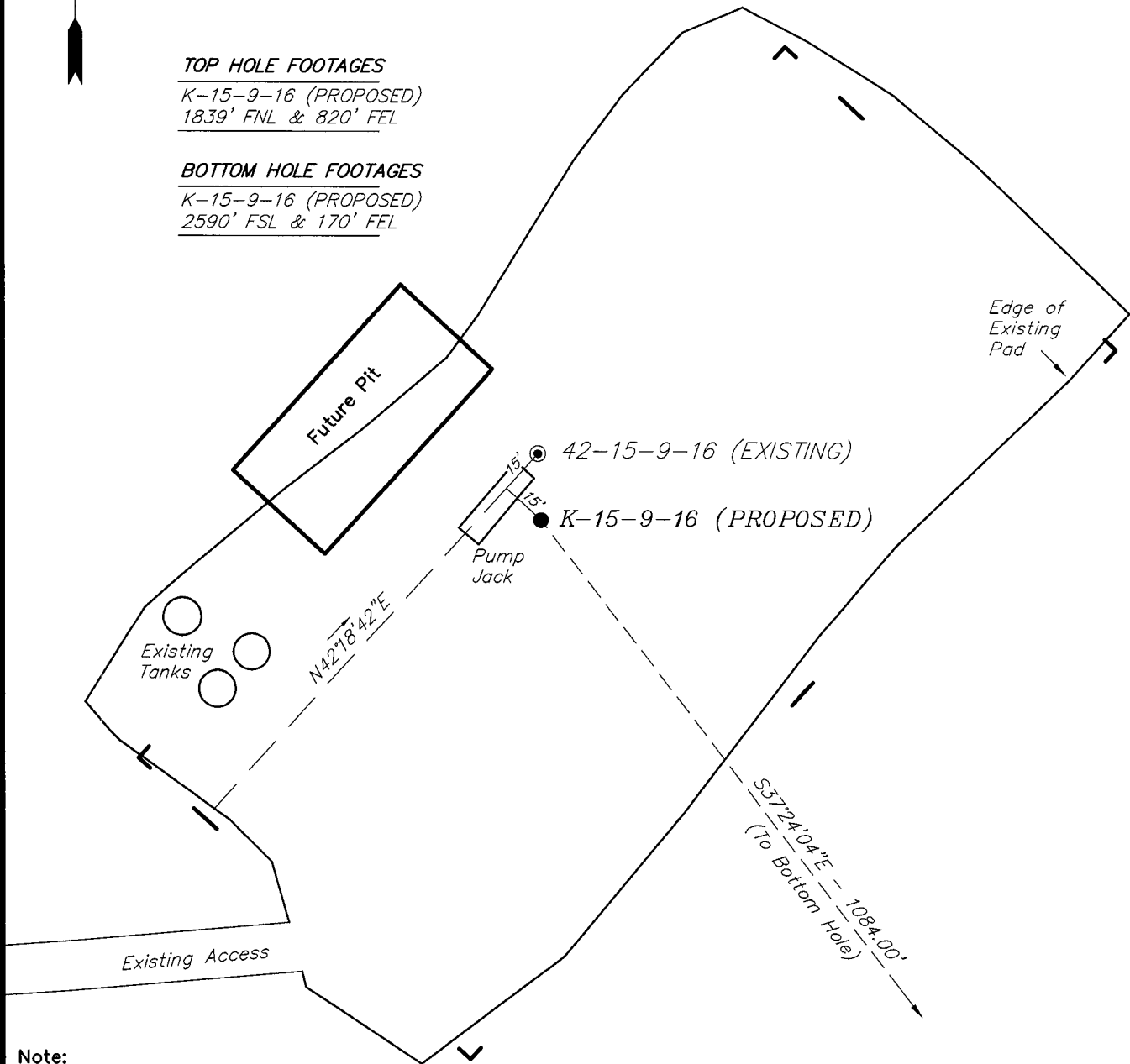


TOP HOLE FOOTAGES

K-15-9-16 (PROPOSED)
1839' FNL & 820' FEL

BOTTOM HOLE FOOTAGES

K-15-9-16 (PROPOSED)
2590' FSL & 170' FEL



Note:

Bearings are based on
GLO Information.

RELATIVE COORDINATES From top hole to bottom hole

WELL	NORTH	EAST
K-15-9-16	-861'	658'

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
K-15-9-16	40° 01' 58.97"	110° 05' 56.14"
42-15-9-15	40° 01' 59.19"	110° 05' 56.15"

SURVEYED BY: T.H. DATE SURVEYED: 04-26-08
 DRAWN BY: F.T.M. DATE DRAWN: 04-29-08
 SCALE: 1" = 50' REVISED:

Tri State
 Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

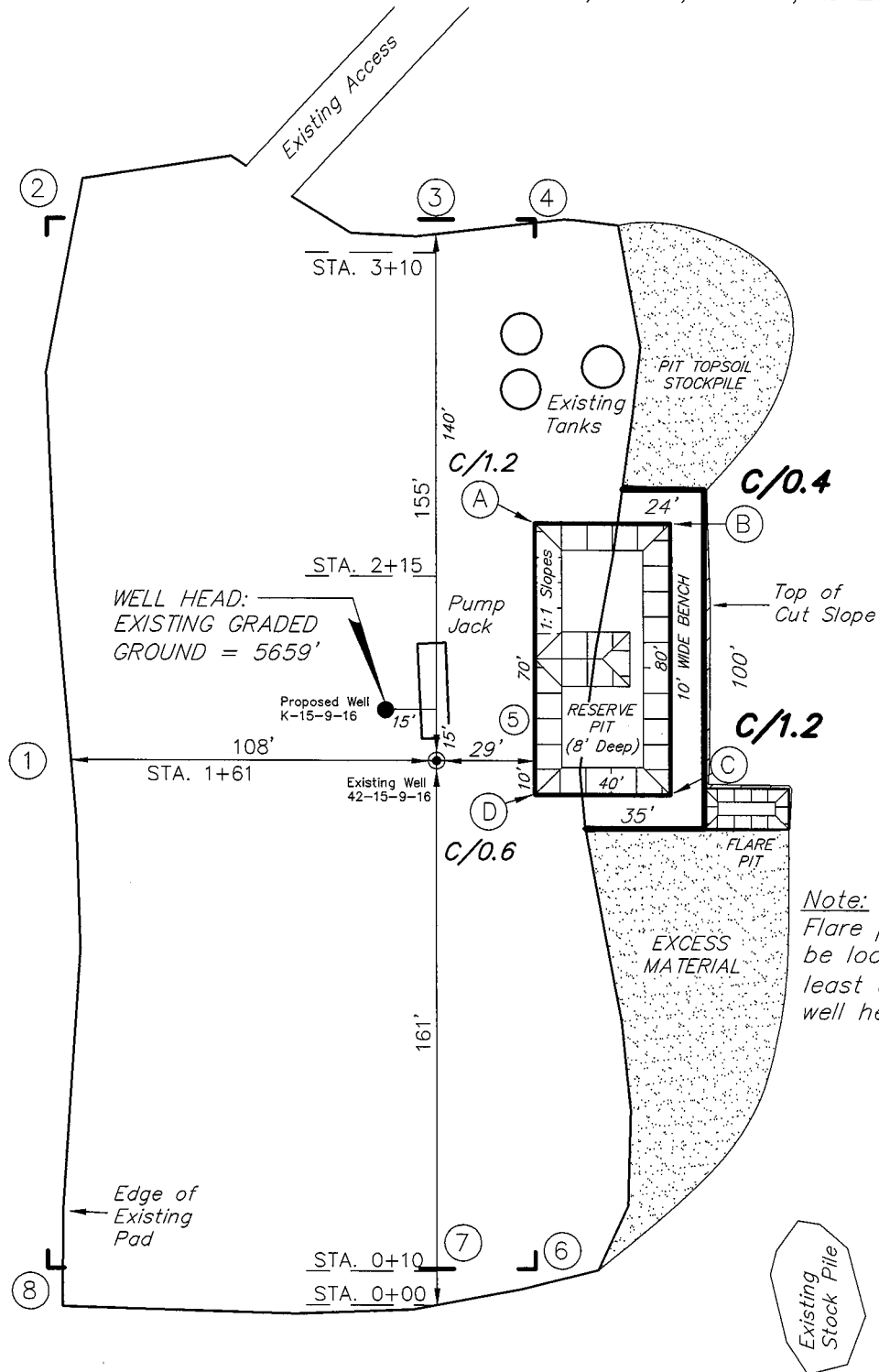
(435) 781-2501

NEWFIELD PRODUCTION COMPANY

JONAH UNIT K-15-9-16 (Proposed Well)

JONAH UNIT 42-15-9-16 (Existing Well)

Pad Location: SENE Section 15, T9S, R16E, S.L.B.&M.



Note:
Flare pit is to
be located at
least 80' from
well head.

SURVEYED BY: T.H.	DATE SURVEYED: 04-26-08
DRAWN BY: F.T.M.	DATE DRAWN: 04-29-08
SCALE: 1" = 50'	REVISED:

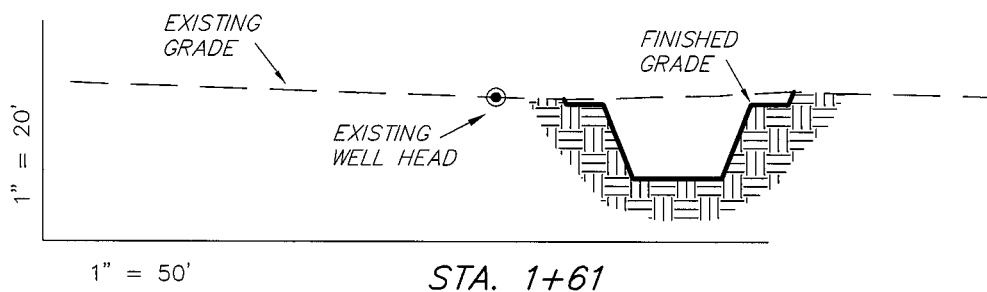
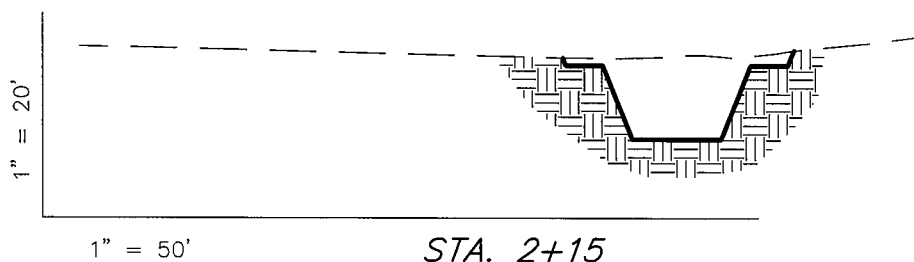
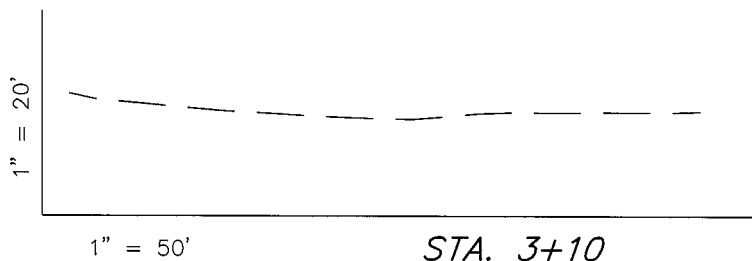
Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

JONAH UNIT K-15-9-16 (Proposed Well)

JONAH UNIT 42-15-9-16 (Existing Well)



NOTE:
UNLESS OTHERWISE NOTED
CUT SLOPES ARE AT 1:1
FILL SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	230	0	Topsoil is not included in Pad Cut	230
PIT	640	0		640
TOTALS	870	0	120	870

SURVEYED BY: T.H.	DATE SURVEYED: 04-26-08
DRAWN BY: F.T.M.	DATE DRAWN: 04-29-08
SCALE: 1" = 50'	REVISED:

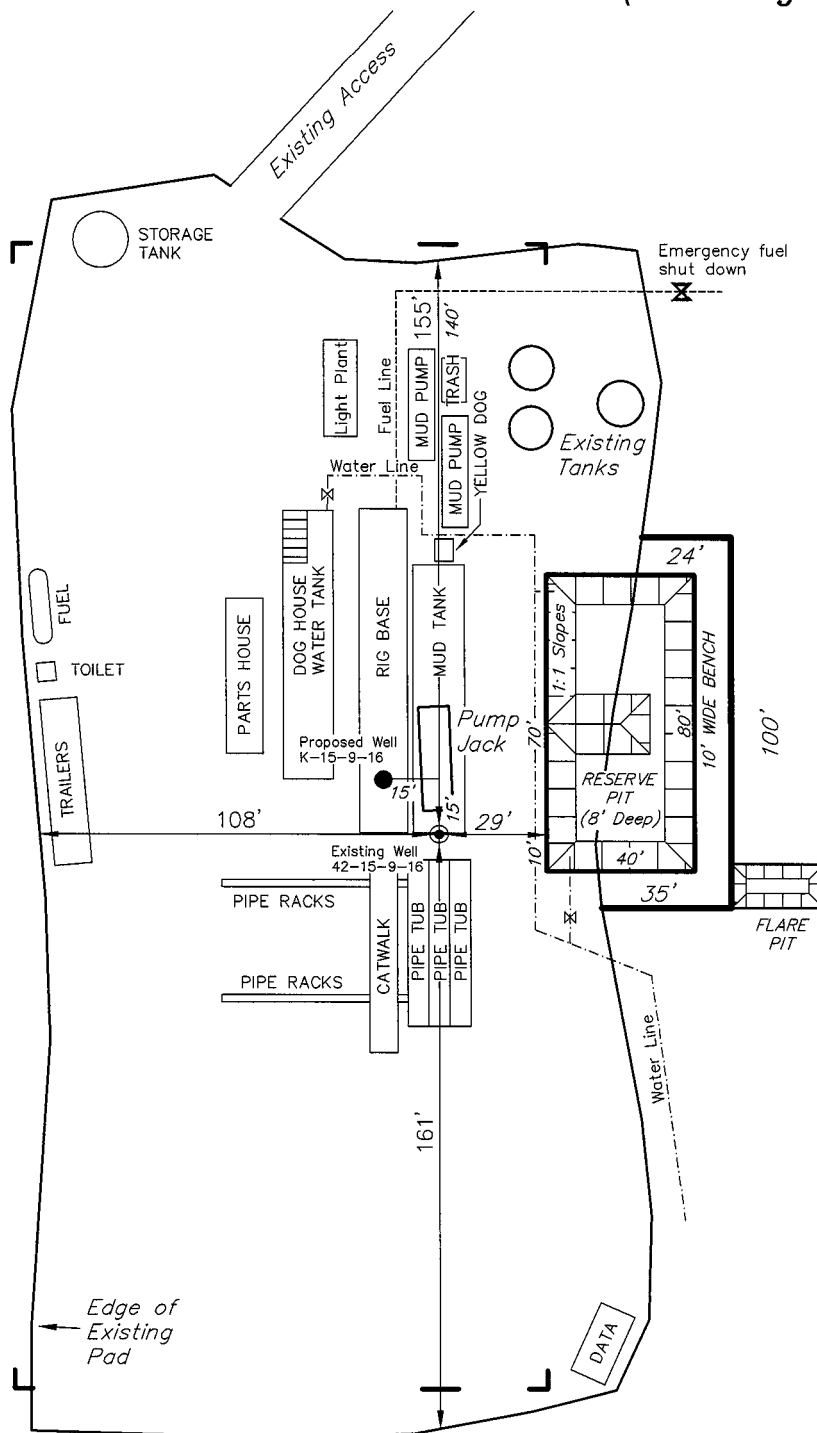
Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

JONAH UNIT K-15-9-16 (Proposed Well)

JONAH UNIT 42-15-9-16 (Existing Well)



Note:
Flare pit is to be located at least 80' from well head.

SURVEYED BY: T.H.	DATE SURVEYED: 04-26-08
DRAWN BY: F.T.M.	DATE DRAWN: 04-29-08
SCALE: 1" = 50'	REVISED:

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

Newfield Production Company Proposed Site Facility Diagram

Jonah Federal K-15-9-16

From the 42-15-9-16 Location

SE/NE Sec. 15 T9S, R16E

Duchesne County, Utah

UTU-017985

Site Security Plan is held at the Pleasant Valley
Office, Duchesne County Utah

Production Phase:

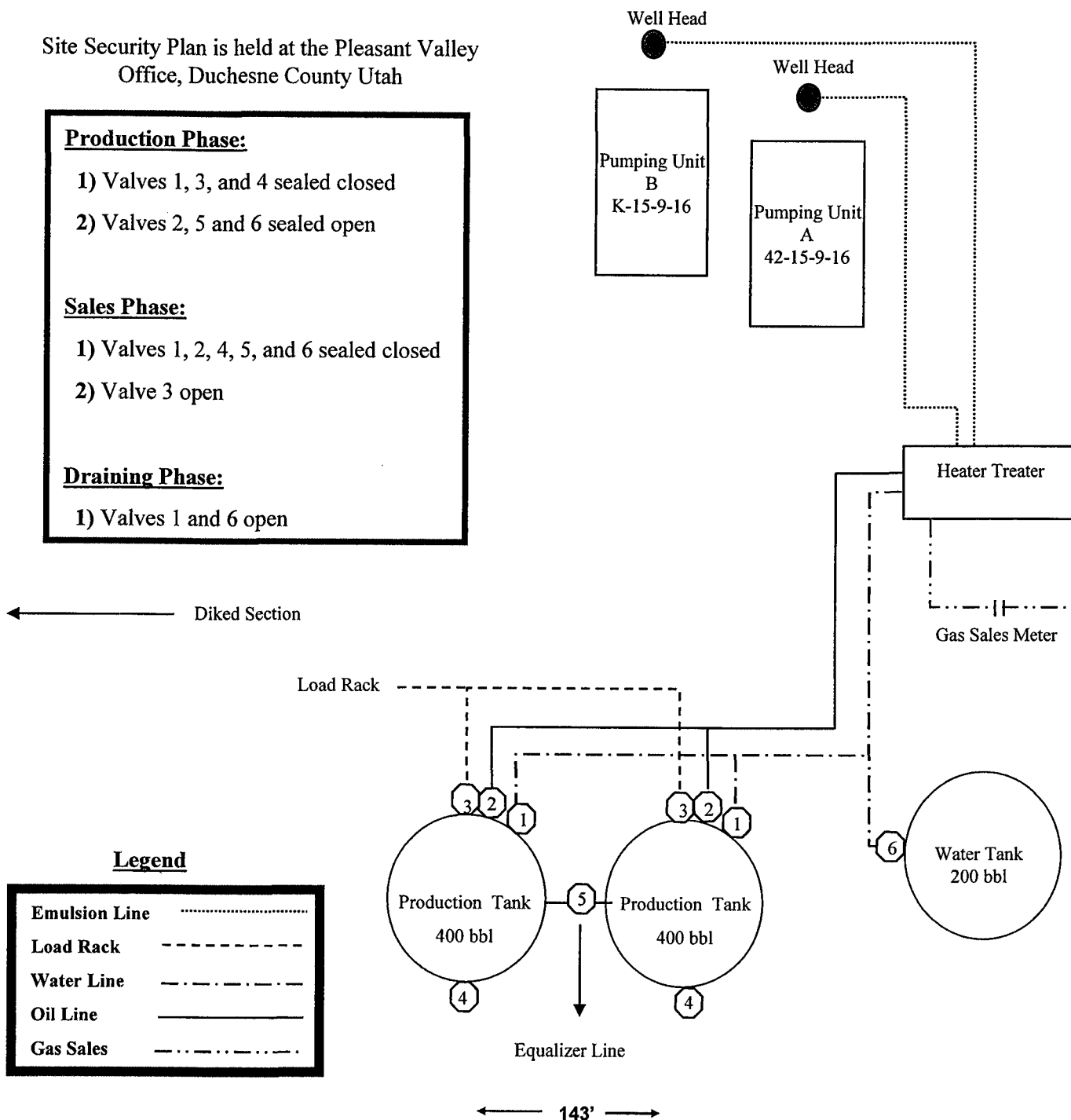
- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5 and 6 sealed open

Sales Phase:

- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open


Draining Phase:

- 1) Valves 1 and 6 open**





Jonah Unit K-15 (Proposed Well)
Jonah Unit 42-15 (Existing Well)



NEWFIELD
Exploration Company


Jonah Unit K-15-9-16 (Proposed Well)
Jonah Unit 42-15-9-16 (Existing Well)
Pad Location: SENE SEC. 15, T9S, R16E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

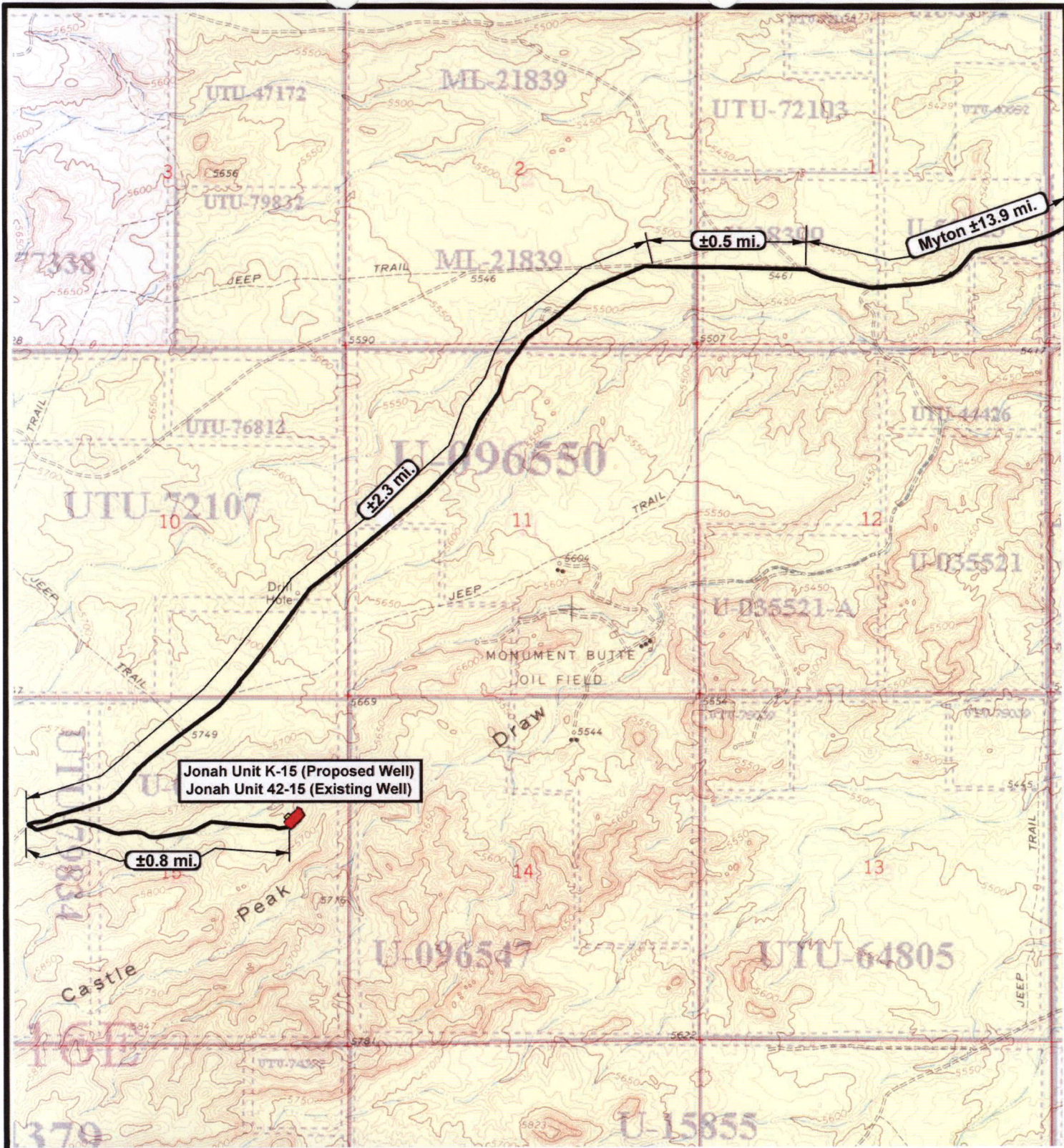
SCALE: 1:100,000
DRAWN BY: nc
DATE: 05-07-2008

Legend


 Existing Road

TOPOGRAPHIC MAP

"A"



Jonah Unit K-15 (Proposed Well)
Jonah Unit 42-15 (Existing Well)



NEWFIELD
Exploration Company

Jonah Unit K-15-9-16 (Proposed Well)
Jonah Unit 42-15-9-16 (Existing Well)
 Pad Location SENE SEC. 15, T9S, R16E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

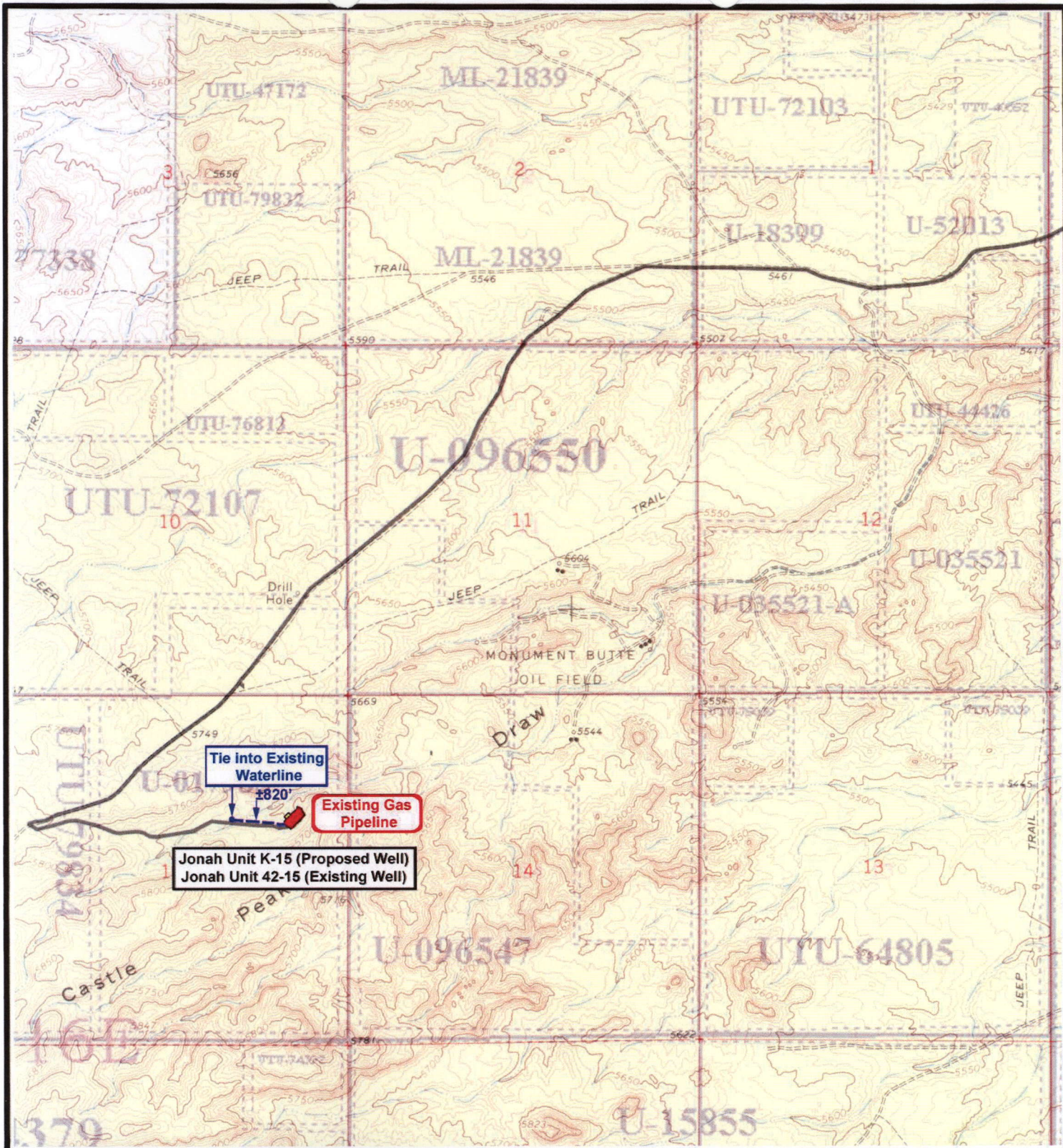
SCALE: 1" = 2,000'
 DRAWN BY: nc
 DATE: 05-07-2008


Legend

Existing Road

TOPOGRAPHIC MAP

"B"





NEWFIELD
Exploration Company

Jonah Unit K-15-9-16 (Proposed Well)
Jonah Unit 42-15-9-16 (Existing Well)
 Pad Location SENE SEC. 15, T9S, R16E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

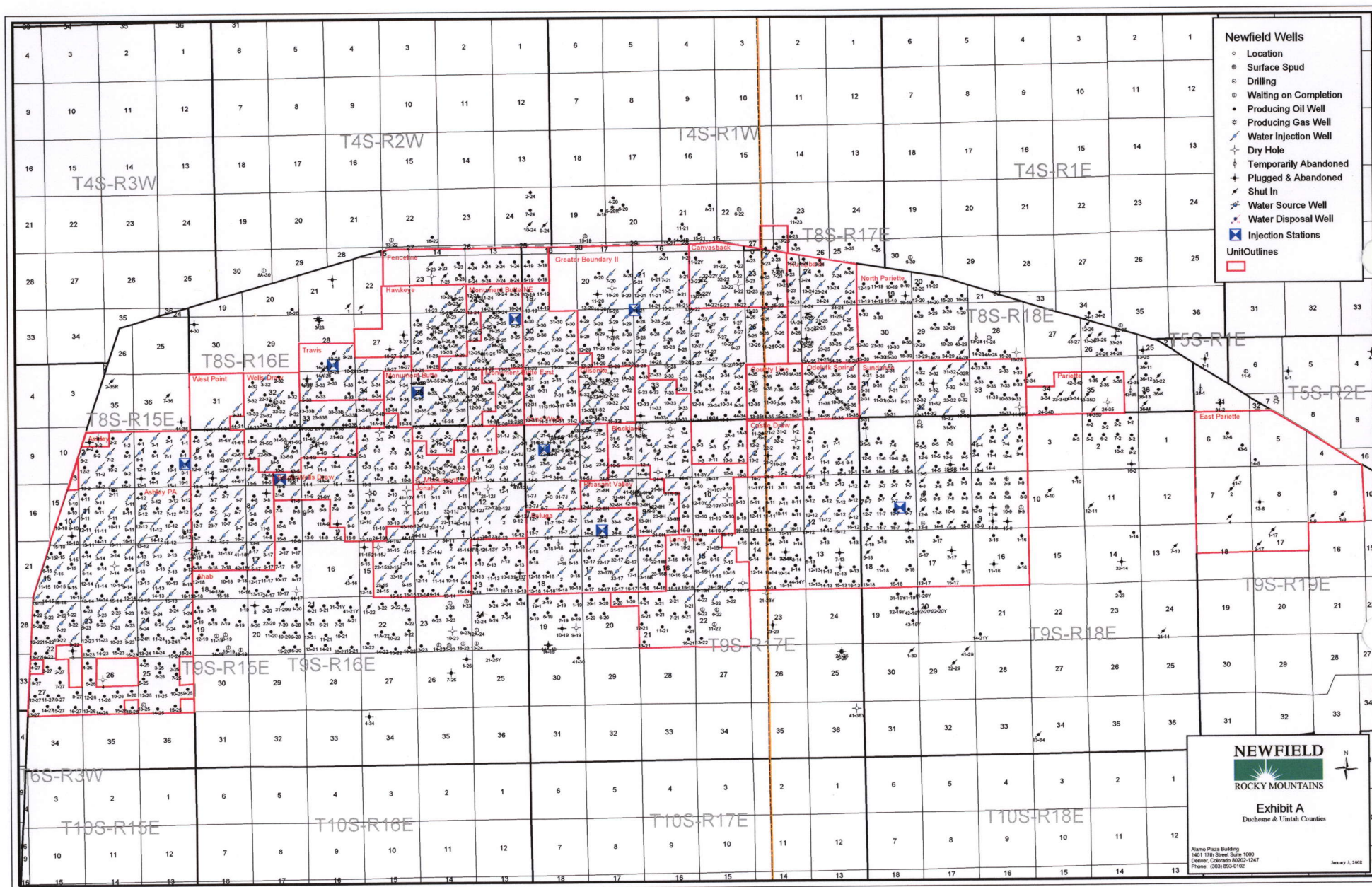
SCALE: 1" = 2,000'
 DRAWN BY: nc
 DATE: 05-07-2008

Legend

— Roads
 - - - - - Proposed Water Line

TOPOGRAPHIC MAP

"C"



2-M SYSTEM

Blowout Prevention Equipment Systems

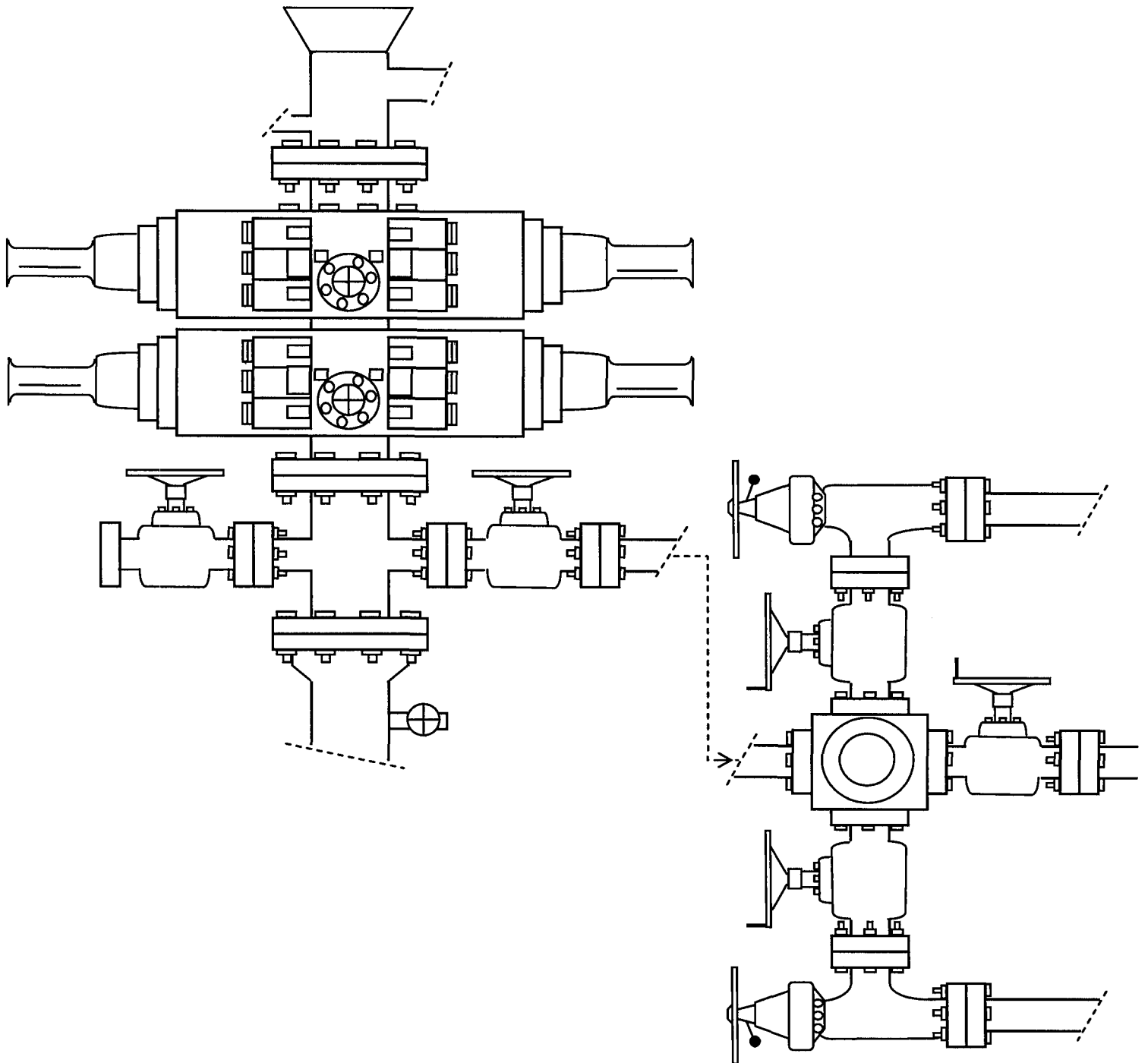


EXHIBIT C

Exhibit 'D'
1 of 2

CULTURAL RESOURCE INVENTORY OF
NEWFIELD EXPLORATION'S TWO PROPOSED
WATERLINES, JONATHAN UNIT 44-10-9-16 AND 42-15-9-16
(T9S-R46E, SECTIONS 10 AND 15)
DUCHESE COUNTY, UTAH

By:

Elizabeth Hora

Prepared for:

Bureau of Land Management
Vernal Field Office

Prepared Under Contract With:

Newfield Exploration Company
Rt. 3 Box 3630
Myton, Utah 84052

Submitted By:

Montgomery Archaeological Consultants, Inc.
P.O. Box 219
Moab, Utah 84532

MOAC Report No. 08-138

June 18, 2008

United States Department of Interior (FLPMA)
Permit No. 08-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-08-MQ-0473b

NEWFIELD EXPLORATION COMPANY

**PALEONTOLOGICAL SURVEY OF PROPOSED
PRODUCTION DEVELOPMENT AREAS,
DUCHESE & UTAH COUNTIES, UTAH**

NE 1/4, NE 1/4 & SW 1/4, NE 1/4, Section 35, T 9 S, R 18 E (1 & 7-35-9-18);
NE 1/4, SW 1/4, & SE 1/4, NE 1/4, Section 34, T 8 S, R 18 E (11 & 42-34-8-18);
SE 1/4, SE 1/4, Section 10, T 9 S, R 16 E (44-10-9-16);
SE 1/4, NE 1/4, Section 15, T 9 S, R 16 E (42-15-9-16);
SE 1/4, SW 1/4, Section 27, T 8 S, R 17 E (14-27-8-17)

REPORT OF SURVEY

Prepared for:

Newfield Exploration Company

Prepared by:

Wade E. Miller
Consulting Paleontologist
May 29, 2008

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/25/2008

API NO. ASSIGNED: 43-013-34014

WELL NAME: JONAH FED K-15-9-16

OPERATOR: NEWFIELD PRODUCTION (N2695)

PHONE NUMBER: 435-646-3721

CONTACT: MANDIE CROZIER

PROPOSED LOCATION:

SENE 15 090S 160E

SURFACE: 1839 FNL 0820 FEL

BOTTOM: 2590 FSL 0170 FEL

COUNTY: DUCHESNE

LATITUDE: 40.03300 LONGITUDE: -110.0983

UTM SURF EASTINGS: 576935 NORTHINGS: 4431599

FIELD NAME: MONUMENT BUTTE (105)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-017985

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

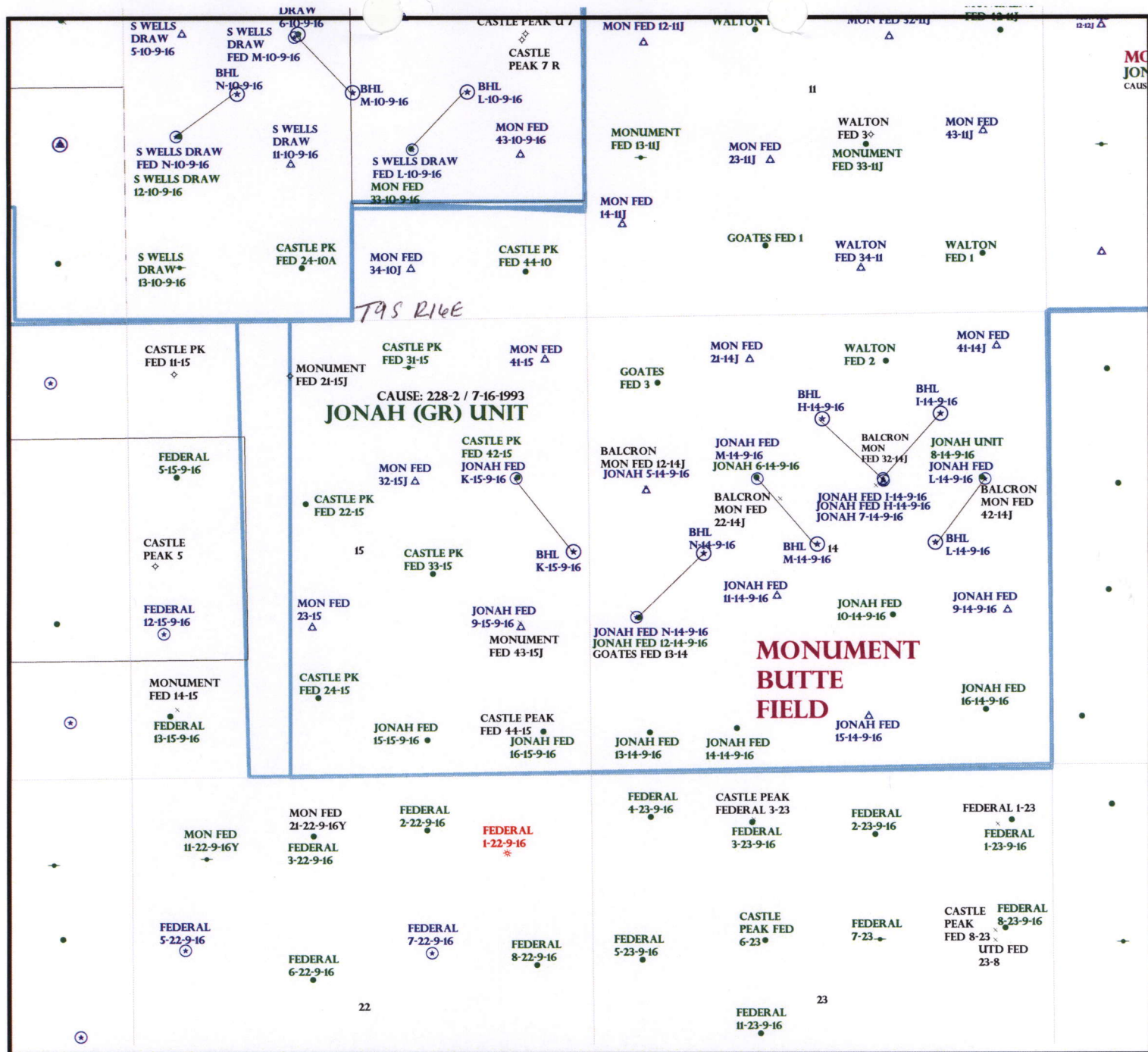
☒ Plat
☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. WYB0000493)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. 43-10136)
☒ RDCC Review (Y/N)
(Date:)
☒ Fee Surf Agreement (Y/N)
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

☐ R649-2-3.
Unit: JONAH (GRRV)
☐ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
☐ R649-3-3. Exception
☒ Drilling Unit
Board Cause No: 228.2
Eff Date: 7-16-1993
Siting: ~~if not Suspend General Drilling~~
☒ R649-3-11. Directional Drill

COMMENTS: See Separate File

STIPULATIONS: 1- See Separate Agreement



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 14,15 T.9S R. 16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 228-2 / 7-16-1993

Field Status

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



OIL, GAS & MINING



PREPARED BY: DIANA MASON
DATE: 26-JUNE-2008

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

June 26, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2008 Plan of Development Jonah Unit, Duchesne
County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Jonah Unit, Duchesne County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-013-34010	Jonah Fed S-12-9-16	Sec 12 T09S R16E 0880 FSL 0842 FEL BHL Sec 12 T09S R16E 1265 FSL 1605 FEL
43-013-34011	Jonah Fed N-14-9-16	Sec 14 T09S R16E 1823 FSL 0547 FWL BHL Sec 14 T09S R16E 2540 FSL 1325 FWL
43-013-34012	Jonah Fed H-14-9-16	Sec 14 T09S R16E 1899 FNL 1909 FEL BHL Sec 14 T09S R16E 1195 FNL 2595 FEL
43-013-34013	Jonah Fed I-14-9-16	Sec 14 T09S R16E 1919 FNL 1900 FEL BHL Sec 14 T09S R16E 1148 FNL 1243 FEL
43-013-34014	Jonah Fed K-15-9-16	Sec 15 T09S R16E 1839 FNL 0820 FEL BHL Sec 15 T09S R16E 2590 FSL 0170 FEL

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard



June 30, 2008

State of Utah, Division of Oil, Gas and Mining
ATTN: Diana Mason
PO Box 145801
Salt Lake City, UT 84114-5801

RE: Directional Drilling
Jonah Federal K-15-9-16
Jonah Unit
UTU-72086A
Surface Hole: T9S R16E, Section 15: SENE
1839' FNL 820' FEL
Bottom Hole: T9S R16E, Section 15
2590' FSL 170' FEL
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated June 20, 2008, a copy of which is attached, for the above referenced well, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole location and bottom hole location of this well are both within the boundaries of the Jonah Unit UTU-72086A. Newfield certifies that it is the Jonah Unit Operator and all lands within 460 feet of the entire directional well bore are within the Jonah Unit.

NPC is permitting this well as a directional well in order to minimize surface disturbance. By directionally drilling from the referenced surface location, NPC will be able to utilize the existing roads and pipelines in this area.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4444 or by email at reveland@newfield.com. Your consideration of this matter is greatly appreciated.

Sincerely,

A handwritten signature in cursive script that reads "Roxann Eveland".

Roxann Eveland
Land Associate

RECEIVED

JUL 02 2008

DIV. OF OIL, GAS & MINING

Form 100-3
(September 2001)

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.

UTU-017985

6. If Indian Allottee or Tribe Name

N/A

7. If Unit or CA Agreement, Name and No.

Jonah Unit

8. Lease Name and Well No.

Jonah Federal K-15-9-16

9. API Well No.

1a. Type of Work: ☒ DRILL

☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other

☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Newfield Production Company

3a. Address

Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)

(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. *)

At surface

SE/NE 1839' FNL 820' FEL

At proposed prod. zone

2590' FSL 170' FEL

14. Distance in miles and direction from nearest town or post office*

Approximately 17.5 miles southwest of Myton, Utah

15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any)

Approx. 170' t/lse, 2590' t/unit

16. No. of Acres in lease

20.000

17. Spacing Unit dedicated to this well

20 Acres

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft.

Approx. 1478'

19. Proposed Depth

5970'

20. BLM/BIA Bond No. on file

WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5659' GL

22. Approximate date work will start*

4th Quarter 2008

23. Estimated duration

Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

Name (Printed/Typed)

Mandie Crozier

Date

6/20/08

Title

Regulatory Specialist

Approved by (Signature)

Name (Printed/Typed)

Date

Title

Office

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

RECEIVED

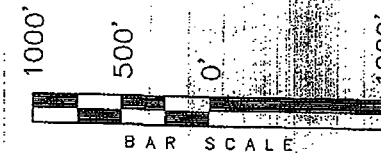
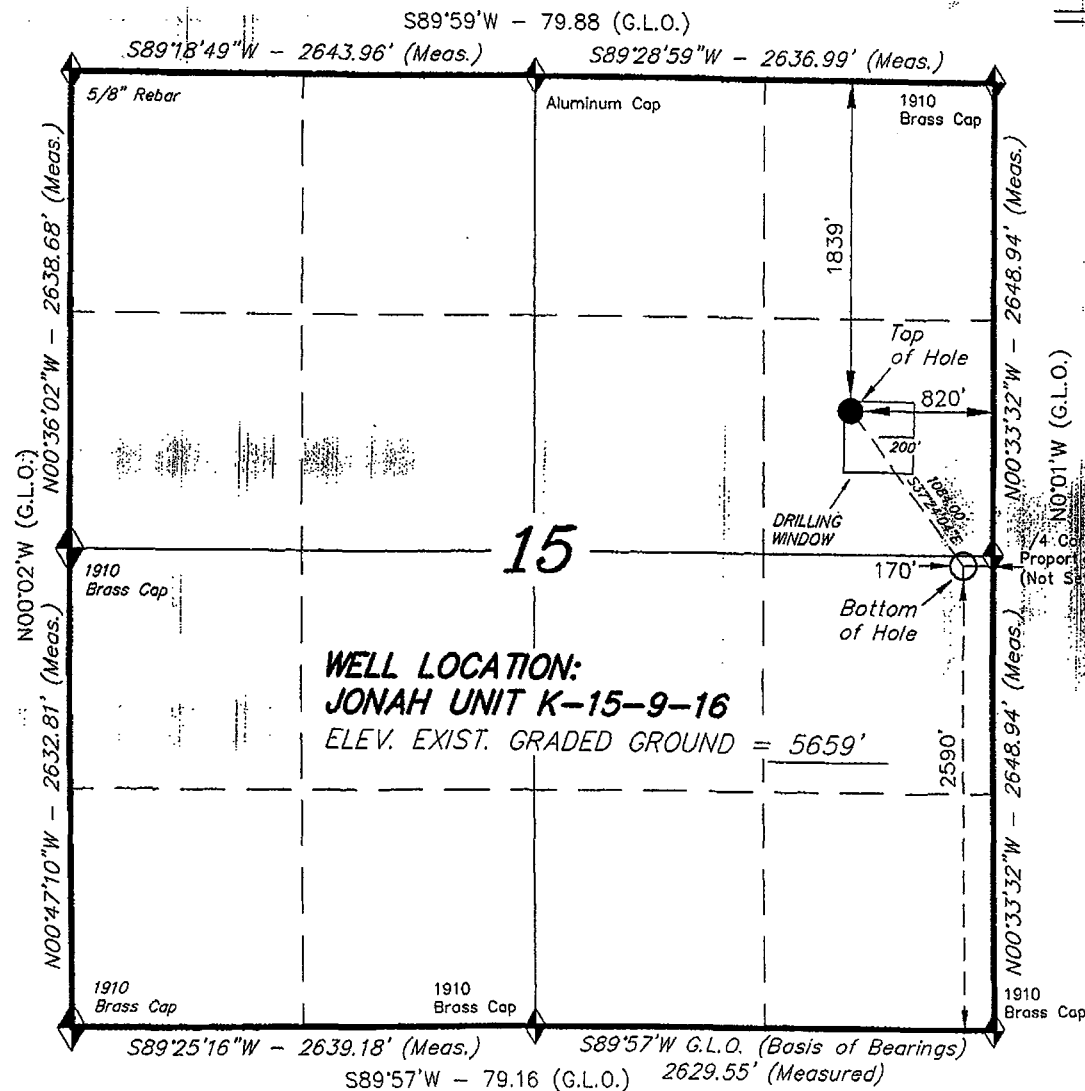
JUL 02 2008

DIV. OF OIL, GAS & MINING

T9S, R16E, S.L.B.&M.

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, JONAH UNIT K-15-9-16,
LOCATED AS SHOWN IN THE SE 1/4 NE 1/4
1/4 OF SECTION 15, T9S, R16E, S.L.B.&M.
DUCESNE COUNTY, UTAH



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF No. 189377

Stacy W. Stewart
REGISTERED LAND SURVEYOR
REGISTRATION NO. 189377
STATE OF UTAH

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

JONAH UNIT K-15-9-16
(Surface Location) NAD 83
LATITUDE = 40° 01' 58.97"
LONGITUDE = 110° 05' 56.14"

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 04-26-08	SURVEYED BY:
DATE DRAWN: 04-29-08	DRAWN BY:
REVISED:	SCALE: 1" = 1000'



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

July 7, 2008

Newfield Production Company
Rt. #3, Box 3630
Myton, UT 84052

Re: Jonah Federal K-15-9-16 Well, Surface Location 1839' FNL, 820' FEL, SE NE,
Sec. 15, T. 9 South, R. 16 East, Bottom Location 2590' FSL, 170' FEL, NE SE,
Sec. 15, T. 9 South, R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-34014.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal Office

Operator: Newfield Production Company
Well Name & Number Jonah Federal K-15-9-16
API Number: 43-013-34014
Lease: UTU-017985

Surface Location: SE NE Sec. 15 T. 9 South R. 16 East
Bottom Location: NE SE Sec. 15 T. 9 South R. 16 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

RECEIVED
VERNAL FIELD OFFICE

Form 3160-3
(September 2001)

2008 JUN 25 PM 12 26

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

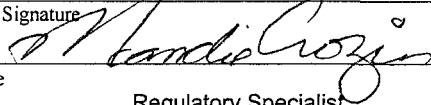

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
DEPT OF THE INTERIOR
BUREAU OF LAND MGMT
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-017985
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Jonah Unit
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Jonah Federal K-15-9-16
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-013-34014
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/NE 1839' FNL 820' FEL At proposed prod. zone 2590' FSL 170' FEL		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximatley 17.5 miles southwest of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 15, T9S R16E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 170' f/ise, 2590' f/unit	16. No. of Acres in lease 560.00	17. Spacing Unit dedicated to this well 20 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1478'	19. Proposed Depth 5970'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5659' GL	22. Approximate date work will start* 4th Quarter 2008	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|---|--|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 6/20/08
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) Jenny Hawick	Date AUG 25 2008
Title Assistant Field Manager Lands & Mineral Resources		
Office VERNAL FIELD OFFICE		

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

RECEIVED

SEP 16 2008

DIV. OF OIL, GAS & MINING

NOTICE OF APPROVAL

NOS 0521-08

WDOGM

AFMSS# 08P08074

CONDITIONS OF APPROVAL ATTACHED



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Newfield Production Company
Well No: Jonah Federal K-15-9-16
API No: 43-013-34014

Location: SENE, Sec. 15, T9S, R16E
Lease No: UTU-017985
Agreement: Jonah Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	(435) 828-4029
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SITE SPECIFIC CONDITIONS OF APPROVAL

STIPULATIONS:

- There are three Golden eagle nests approximately 0.45 miles south, 0.45 miles southwest, and 0.46 miles northeast of the location west. With this occurrence there will be a timing restriction during construction and drilling activities to minimize disturbance to Golden eagle nesting from February 1 – July 15.

Lease Notices from RMP:

- The lessee/operator is given notice the area has been identified as containing Ferruginous hawk habitat. Modifications may be required in the Surface Use Plan to protect the Ferruginous hawk and/or its habitat from surface disturbance activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- The lessee/operator is given notice the area has been identified as containing Golden eagle habitat. Modifications may be required in the Surface Use Plan to protect the Golden eagle and/or its habitat from surface disturbance activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

Comments:

- GIS data show the project area is within Mountain plover habitat. During the on-site the area was determined to be poor plover habitat as the habitat was fragmented and had broken topography.
- If it is anticipated that construction or drilling will occur during the given timing restrictions for any wildlife, a BLM or qualified biologist should be notified so surveys can be conducted. Depending upon the results of the survey, permission to proceed may or may not be recommended or granted (depending on the species being surveyed and the condition of the habitat).

Follow-up Actions and/or Recommendations:

Please be aware that this Special Status Species wildlife clearance is effective for 1 year from the date of the onsite date. Any proposals submitted after the date of this report (onsite) should require additional surveys and clearances.

CONDITIONS OF APPROVAL:

- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- All pipelines (surface and buried) will be laid within one 50' wide construction ROW, on one side of the road, and will reduce down to a 30' wide permanent ROW on lease.
- A temporary road ROW will not be granted. The road ROW will be 30 foot for construction and will reduce to an 18 foot running surface.
- The access road will be crowned and ditched. Flat-bladed roads are not allowed. All roads will have an 18', crowned (2 to 3% minimum), running surface. All roads will have drainage ditches along both sides of road.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of three inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- To insure impermeability, the reserve pit will be lined with a 16 ml or greater liner and felt prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- Any hydrocarbons in the reserve pit will be removed **immediately** upon well completion; in accordance with 43 CFR 3162.7-1. Pits must be free of oil and other liquid and solid wastes prior to filling.
- Monument Butte SOP, Section 9.2 - Pit Fencing Minimum Standards - will be strictly adhered to. To include 9.2.2.3 - Corner posts will be cemented and/or braced in such a manner as to keep fence tight at all times.
- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.

- Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim/Final Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the reshaping of the pad to the original contour to the extent possible; the respreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt.

Interim Reclamation:

- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be **seeded using a rangeland drill**. Seeding depth as per AO, or seed distributor. If portions of the site are too steep (>40%), or rocky, that portion may be broadcast seeded. If broadcasting seed, the seed shall be walked into the soil with a dozer immediately after the seeding is completed, or covered by soil using a drag chain. Seeding shall occur in the fall (August 1st until snow or ground is frozen) with the following seed mix:

Seed mix:

Common name	Latin name	lbs/acre	Recommended seed planting depth
Squirreltail grass	<i>Elymus elymoides</i>	3.0	¼ - ½"
Siberian wheatgrass	<i>Agropyron fragile</i>	1.0	½"
Shadscale saltbush	<i>Atriplex confertifolia</i>	0.50	½"
Four-wing saltbush	<i>Atriplex canescens</i>	0.50	½"
Gardner's saltbush	<i>Atriplex gardneri</i>	0.50	½"
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	0.10	⅛ - ¼"

- All pounds are pure live seed.
- All seed and mulch will be certified weed free.
- Rates are set for drill seeding; double rate if broadcasting.
- Reseeding may be required if initial seeding is not successful.

Final reclamation:

- Once the location is plugged and abandoned, the well location, access, and any disturbed areas shall be recontoured to natural topography, topsoil shall be respread, and the entire location shall be seeded following guidelines in the seed mix bullet statement above. Final seed mix: same as interim.
- Noxious and/or invasive weeds will be controlled along access roads, pipelines, well sites, and all other applicable facilities. Any noxious and/or invasive weeds outbreak, directly attributed to the activities of the Operator, will be the responsibility of the Operator to control. On BLM administered land, a Pesticide Use Proposal (PUP) must be submitted and approved prior to the application of herbicides, pesticides, or other possibly hazardous chemicals.

- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (see above). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.
- The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
- All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

- None

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

Spud
BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig
Name/# NDSI NS # 1 Submitted By Alvin
Nielsen Phone Number 435-823-
7468
Well Name/Number Jonah Fed K-15-9-
16
Qtr/Qtr SE/NE Section 15 Township T9S
Range R16E
Lease Serial Number UTU
017985
API Number 43-013-
34014

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 11/19/08 7:00 AM ☒
PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 11/19/08 5:00 AM ☐
PM ☒

BOPE

☐ Initial BOPE test at surface casing point

- ☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks NDSI NS # 1 spud the Jonah Fed K-15-9-16 on
11/19/08 @ 7:00 AM & Run casing around 5:00 PM 11/19/08.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone (include area code)
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SENE Section 15 T9S R16E

5. Lease Serial No.

UTU-017985

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or
JONAH UNIT

8. Well Name and No.

JONAH K-15-9-16

9. API Well No.

4301334014

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 11/25/08 MIRU NDSI Rig # 2. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 280'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6,120' & a TVD of 5964'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 158 jt's of 5.5 J-55, 15.5# csgn. Set @ 6101.95' / KB. Cement with 280' sks cement mixed @ 11.0 ppg & 3.49 yld. Then 400 sks cement mixed @ 14.4 ppg & 1.24 yld. With 34.5 bbls cement returned to pit. Nipple down Bop's. Drop slips @65,000 #'s tension. Release rig 6:00 AM 12/2/08.

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DEC 04 2008

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Title

Drilling Foreman

Alvin Nielsen

Signature

Date

12/03/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET @ **6101.95**

LAST CASING: **8-5/8"** SET @ **324.2**
 DATUM (KB) **12**
 DATUM TO CUT OFF CASING **12**
 DATUM TO BRADENHEAD FLANGE **12**
 DRILLER TD **6115** LOGGER TD **6107**
 HOLE SIZE **7-7/8"** TOP FLOAT COLLAR @ **6062.44**

OPERATOR: **Newfield Production Company**
 WELL: **Jonah Fed K-15-9-16**
 FIELD/PROSPECT: **Monument Butte**
 CONTRACTOR & RIG #: **NDSI # 2**

TOP SHORT JT @ **3703.23** Short jt 6.00' TVD=5964'

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
1		Landing Jt	15.5#	J-55	8rd	A	14
158	5 1/2"	LT&C CASING	15.5#	J-55	8rd	A	6050.44
1	5 1/2"	FLOAT COLLAR	-	-	-	A	0.6
1	5 1/2"	LT&C CASING	15.5#	J-55	8rd	A	38.26
1	5 1/2"	GUIDE SHOE					0.65

CASING INVENTORY BAL.	FEET	JTS
TOTAL LENGTH OF STRING	6103.95	159
LESS NON CSG. ITEMS	15.25	-
PLUS FULL JTS. LEFT OUT	151.39	4
TOTAL	6240.09	163
TOTAL CSG. DEL. (W/O THRS)	6240.09	163

TOTAL LENGTH OF STRING

(-) LANDING JT

(-) AMOUNT CUTOFF

(+) KB ELEVATION

CASING SET DEPTH

COMPARE (SHOULD BE EQUAL)

6101.95

CEMENT DATA		TIME	DATE
BEGIN RUN CSG.		7:30 PM	12/1/2008
CSG. IN HOLE		11:30 PM	12/1/2008
BEGIN CIRC		11:30 PM	12/1/2008
BEGIN PUMP CMT		1:55 AM	12/2/2008
BEGIN DSPL. CMT		2:45 AM	12/2/2008
PLUG DOWN		3:05 AM	12/2/2008

GOOD CIRC THRU JOB: **YES**

Bbls CMT CIRC TO SURFACE: **34.5**

RECIPROCATED PIPE: **No**

DID BACK PRES. VALVE HOLD ? **Yes**

BUMPED PLUG TO: **2045** PSI

CEMENT USED

CEMENT COMPANY:		BJ
STAGE	# SX	CEMENT TYPE & ADDITIVES
1 (lead)	280	Premium Lite II cement + 0.05 lbs/sack Static Free + 3% bwow Potassium Chloride + 0.5 lbs/sack Cello Flake + 2 lbs/sack Kol Seal + 0.002 gps FP-6L + 10% bwoc Bentonite + 0.5% bwoc Sodium Metasilicate + 5 lbs/sack CSE-2 + 204.7% Fresh Water
2 (tail)	400	(50:50) Poz (Fly Ash) Class G Cement + 0.05 lbs/sack Static Free + 3% bwow Potassium Chloride + 0.5% bwoc EC-1 + 0.25 lbs/sack Cello Flake + 0.002 gps FP-6L + 2% bwoc Bentonite + 0.3% bwoc Sodium Metasilicate + 54.7% Fresh Water
CENTRALIZER & SCRATCHER PLACEMENT (SHOW MAKE & SPACING)		
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.		

COMPANY REPRESENTATIVE **Alvin Nielsen**

DATE **12/3/2008**

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other: _____						5. Lease Serial No. UTU-017985	
2. Name of Operator NEWFIELD EXPLORATION COMPANY						6. If Indian, Allottee or Tribe Name NA	
3. Address 1401 17TH ST. SUITE 1000 DENVER, CO 80202				3a. Phone No. (include area code) (435)646-3721		7. Unit or CA Agreement Name and No. JONAH	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 1839' FNL & 820' FEL (SE/NW) SEC. 15, T9S, R16E At top prod. interval reported below 2590' FSL & 170' FEL (NE/SE) SEC. 15, T9S, R16E At total depth 6120' 2434 fsl 48 fel per HSM review						8. Lease Name and Well No. JONAH FEDERAL K-15-9-16	
14. Date Spudded 11/19/2008		15. Date T.D. Reached 12/01/2008		16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 01/06/2009		9. AFI Well No. 43-013-43014 34014	
18. Total Depth: MD 6120' TVD 5965'						19. Plug Back T.D.: MD 6062' TVD 5908'	
20. Depth Bridge Plug Set: MD TVD						17. Elevations (DF, RKB, RT, GL)* 5659' GL 5671' KB	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND						22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)	
23. Casing and Liner Record (Report all strings set in well)							
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)
12-1/4"	8-5/8" J-55	24#		324'		160 CLASS G	
7-7/8"	5-1/2" J-55	15.5#		6102'		280 PRIMLITE	100'
						400 50/50 POZ	
24. Tubing Record							
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)
2-7/8"	EOT@ 5612'	TA @ 5515'					
25. Producing Intervals				26. Perforation Record			
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status	
A) GREEN RIVER			(CP1) 5548-58', 5532-38'	.49"	4	64	
B) GREEN RIVER			(C) 4804-14', 4790-98'	.49"	4	72	
C) GREEN RIVER			(D1) 4656-4662'	.49"	4	24	
D) GREEN RIVER			(GB6) 4100-4120'	.49"	4	80	
27. Acid, Fracture, Treatment, Cement Squeeze, etc.							
Depth Interval	Amount and Type of Material						
5532-5558'	Frac w/ 40600# of 20/40 sand 653 bbls fluid						
4790-4814'	Frac w/ 44338# 20/40 sand 438 bbls fluid						
4656-4662'	Frac w/ 24111# 20/40 sand 340 bbls fluid						
4100-4120'	Frac w/ 55828# 20/40 sand 478 bbls fluid						
28. Production - Interval A							
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API
01/06/09	01/09/09	24	→	84	13	75	
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio
			→				
28a. Production - Interval B							
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API
			→				
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio
			→				
Production Method 2-1/2" x 1-3/4" x 16' x 20' RHAC Rod Pump							
Well Status PRODUCING							

*(See instructions and spaces for additional data on page 2)

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28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	3805' 3820'
				GARDEN GULCH 2 POINT 3	3942' 4182'
				X MRKR Y MRKR	4455' 4490'
				DOUGALS CREEK MRK BI CARBONATE MRK	4606' 4856'
				B LIMESTON MRK CASTLE PEAK	4974' 5498'
				BASAL CARBONATE TOTAL DEPTH (LOGGERS)	5948' 6107'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Tammi Lee

Title Production Clerk

Signature

Date 01/19/2009

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)



**Scientific
Drilling**

Directional Survey Certification

7327 West Barton Road
Casper, WY 82604
(307)-472-6621 Fax (307) 472-5439

Operator	<u>Newfield Exploration Co.</u>
Well Name & No.	<u>Jonah Unit K-15-9-16</u>
County & State	<u>Duchesne County, UT</u>
SDI Job No.	<u>42DEF0811988</u>
Rig	<u>NDSI 2</u>

I, Julie Cruse, having personal knowledge of all the facts, hereby
certify that the attached directional survey run from a measured depth of 354 feet to a
measured depth of 6120 feet is true and correct as determined from all available records.

Julie Cruse
Signature

02-Dec-08
Date

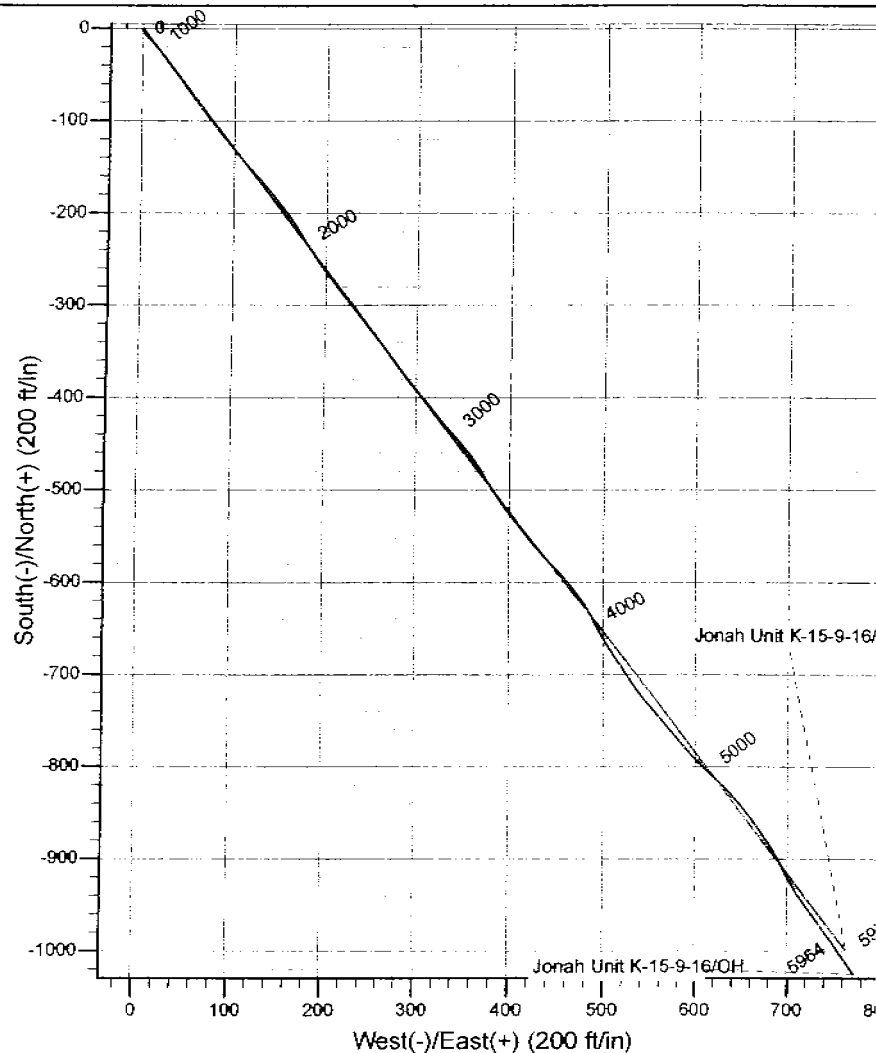
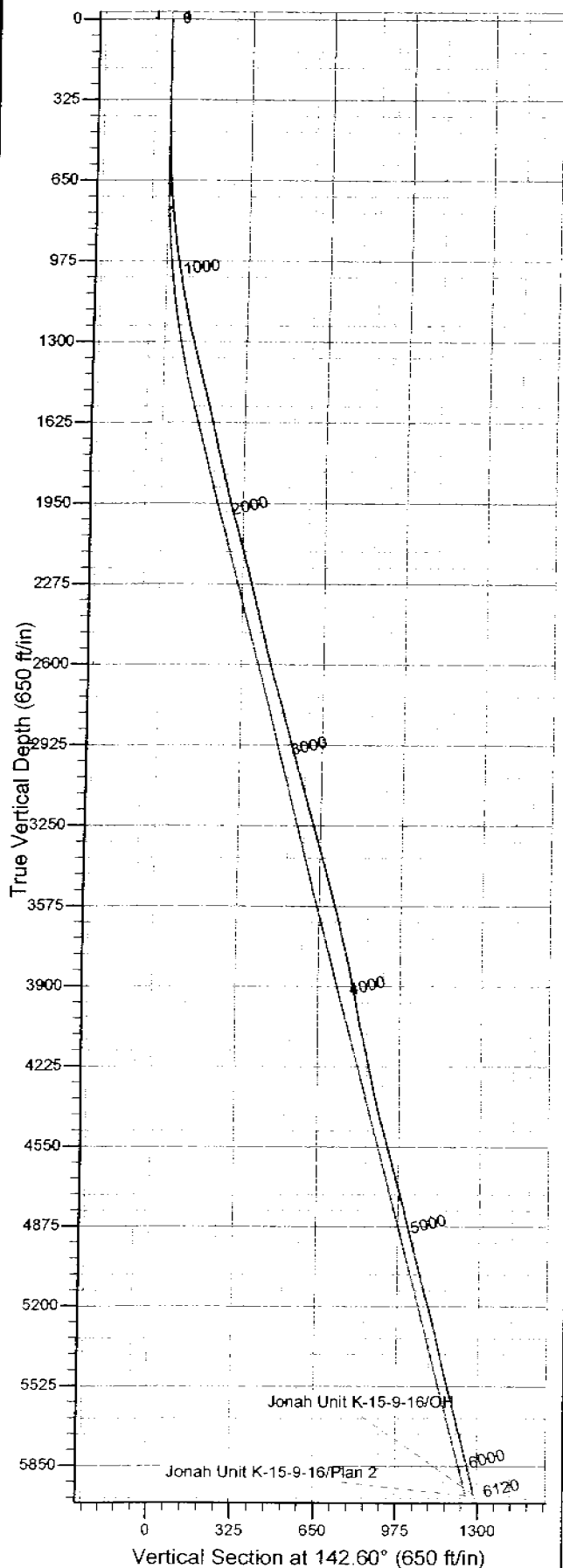
Julie Cruse
Rockies Region Engineer
Scientific Drilling - Rocky Mountain District



Scientific Drilling
Rocky Mountain Operations

Project: Duchesne County, UT NAD83 UTC
Site: Jonah Unit
Well: Jonah Unit K-15-9-16
Wellbore: OH
Design: OH

Newfield Exploration Co.



WELL DETAILS: Jonah Unit K-15-9-16

Ground Level: GL 5659' & RKB 12' @ 5671.00ft (NDSI 2)
Northing: 7183848.05 Easting: 2032706.65 Latitude: 40° 1' 58.970 N Longitude: 110° 5' 56.140 W

REFERENCE INFORMATION

Co-ordinate (NE) Reference: Well Jonah Unit K-15-9-16, True North
Vertical (TVD) Reference: GL 5659' & RKB 12' @ 5671.00ft (NDSI 2)
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: GL 5659' & RKB 12' @ 5671.00ft (NDSI 2)
Calculation Method: Minimum Curvature
Local North: True
Location: Sec 5 T9S R17E

PROJECT DETAILS: Duchesne County, UT NAD83 UTC

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Utah Central Zone

Design: OH (Jonah Unit K-15-9-16/OH)

Created By: Julie Cruse Date: 2008-12-02



Scientific Drilling
Rocky Mountain Operations

Newfield Exploration Co.

Duchesne County, UT NAD83 UTC

Jonah Unit

Jonah Unit K-15-9-16

OH

Design: OH

Standard Survey Report

02 December, 2008

Scientific Drilling

Survey Report

Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Jonah Unit
Well: Jonah Unit K-15-9-16
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Jonah Unit K-15-9-16
TVD Reference: GL 5659' & RKB 12' @ 5671.00ft (NDSI 2)
MD Reference: GL 5659' & RKB 12' @ 5671.00ft (NDSI 2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi User DB

Project	Duchesne County, UT NAD83 UTC		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	Jonah Unit, Sec 5 T9S R17E		
Site Position:		Northing:	7,195,384.71 ft
From:	Lat/Long	Easting:	2,044,880.81 ft
Position Uncertainty:	0.00 ft	Slot Radius:	in
		Latitude:	40° 3' 51.060 N
		Longitude:	110° 3' 17.240 W
		Grid Convergence:	0.93 °

Well	Jonah Unit K-15-9-16, 1839' FNL 820' FEL Sec 15 T9S R16E		
Well Position	+N-S	0.00 ft	Northing: 7,183,848.05 ft
	+E-W	0.00 ft	Easting: 2,032,706.65 ft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	40° 1' 58.970 N
		Longitude:	110° 5' 56.140 W
		Ground Level:	5,659.00 ft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	IGRF2005-10	2008-11-24	(°)
			11.64
			Dip Angle (°)
			65.85
			Field Strength (nT)
			52,537

Design	OH		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(ft)	(ft)	(ft)
	0.00	0.00	0.00
			Direction (°)
			142.60

Survey Program	Date 2008-12-02		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name
354.00	6,120.00	Survey #1 (OH)	MWD
			Description
			MWD - Standard

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
354.00	0.27	198.83	354.00	-0.79	-0.27	0.46	0.08	0.08	0.00
First MWD Survey									
384.00	0.38	181.70	384.00	-0.96	-0.29	0.58	0.49	0.37	-57.10
415.00	0.73	179.00	415.00	-1.26	-0.29	0.82	1.13	1.13	-8.71
446.00	1.00	165.39	445.99	-1.72	-0.22	1.23	1.09	0.87	-43.90
476.00	1.33	168.69	475.99	-2.31	-0.09	1.78	1.12	1.10	11.00
507.00	1.67	149.93	506.98	-3.05	0.21	2.55	1.91	1.10	-60.52
538.00	2.16	149.30	537.96	-3.95	0.73	3.58	1.58	1.58	-2.03
568.00	2.61	140.75	567.93	-4.96	1.45	4.82	1.91	1.50	-28.50
599.00	3.01	143.22	598.90	-6.16	2.39	6.34	1.35	1.29	7.97
630.00	3.50	139.98	629.85	-7.54	3.48	8.10	1.69	1.58	-10.45
661.00	4.06	137.94	660.78	-9.08	4.83	10.14	1.86	1.81	-6.58

Scientific Drilling

Survey Report

Company: Newfield Exploration Co.
 Project: Duchesne County, UT NAD83 UTC
 Site: Jonah Unit
 Well: Jonah Unit K-15-9-16
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well Jonah Unit K-15-9-16
 TVD Reference: GL 5659' & RKB 12' @ 5671.00ft (NDSI 2)
 MD Reference: GL 5659' & RKB 12' @ 5671.00ft (NDSI 2)
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: EDM 2003.16 Multi User DB

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
691.00	4.54	136.06	690.69	-10.72	6.36	12.38	1.67	1.60	-6.27
722.00	5.20	137.27	721.58	-12.64	8.17	15.00	2.15	2.13	3.90
753.00	5.87	138.01	752.44	-14.85	10.18	17.96	2.17	2.16	2.39
783.00	6.47	137.48	782.26	-17.23	12.35	21.19	2.01	2.00	-1.77
814.00	6.79	140.38	813.06	-19.93	14.70	24.76	1.49	1.03	9.35
845.00	7.17	142.47	843.83	-22.88	17.05	28.53	1.47	1.23	6.74
875.00	7.47	141.02	873.58	-25.88	19.41	32.35	1.17	1.00	-4.83
906.00	7.82	143.49	904.31	-29.14	21.94	36.47	1.55	1.13	7.97
938.00	8.38	142.88	935.99	-32.75	24.64	40.98	1.77	1.75	-1.91
969.00	9.06	143.89	966.63	-36.52	27.44	45.68	2.25	2.19	3.26
1,001.00	9.60	142.26	998.20	-40.67	30.56	50.87	1.88	1.69	-5.09
1,032.00	9.93	143.75	1,028.76	-44.87	33.72	56.12	1.34	1.06	4.81
1,064.00	10.35	143.40	1,060.26	-49.40	37.07	61.76	1.33	1.31	-1.09
1,096.00	10.95	144.53	1,091.70	-54.18	40.54	67.67	1.99	1.87	3.53
1,128.00	11.50	144.82	1,123.09	-59.26	44.14	73.89	1.73	1.72	0.91
1,159.00	11.79	145.34	1,153.45	-64.40	47.73	80.14	0.99	0.94	1.68
1,191.00	12.46	144.44	1,184.74	-69.89	51.59	86.86	2.18	2.09	-2.81
1,223.00	12.82	143.00	1,215.96	-75.54	55.74	93.86	1.50	1.12	-4.50
1,254.00	13.44	142.02	1,246.15	-81.12	60.02	100.90	2.12	2.00	-3.16
1,286.00	13.88	143.14	1,277.25	-87.13	64.62	108.46	1.60	1.37	3.50
1,318.00	14.38	141.98	1,308.28	-93.33	69.36	116.27	1.80	1.56	-3.62
1,350.00	14.34	142.97	1,339.28	-99.62	74.20	124.21	0.78	-0.12	3.09
1,381.00	14.60	141.83	1,369.30	-105.76	78.93	131.95	1.24	0.84	-3.68
1,413.00	14.56	141.45	1,400.27	-112.07	83.92	140.01	0.32	-0.12	-1.19
1,445.00	14.74	141.10	1,431.23	-118.39	88.99	148.10	0.63	0.56	-1.09
1,476.00	14.61	140.99	1,461.22	-124.49	93.93	155.95	0.43	-0.42	-0.35
1,508.00	14.70	140.26	1,492.17	-130.75	99.06	164.04	0.64	0.28	-2.28
1,540.00	14.61	140.66	1,523.13	-137.00	104.22	172.13	0.42	-0.28	1.25
1,572.00	14.30	139.91	1,554.12	-143.14	109.32	180.11	1.13	-0.97	-2.34
1,603.00	14.07	139.06	1,584.17	-148.92	114.25	187.70	1.00	-0.74	-2.74
1,635.00	13.70	138.58	1,615.24	-154.70	119.31	195.36	1.21	-1.16	-1.50
1,667.00	13.46	137.66	1,646.35	-160.29	124.32	202.85	1.01	-0.75	-2.87
1,698.00	13.39	138.43	1,676.50	-165.64	129.14	210.02	0.62	-0.23	2.48
1,730.00	13.26	138.88	1,707.64	-171.18	134.01	217.38	0.52	-0.41	1.41
1,762.00	13.15	141.14	1,738.79	-176.78	138.71	224.68	1.65	-0.34	7.06
1,794.00	13.20	141.57	1,769.95	-182.47	143.26	231.97	0.34	0.16	1.34
1,825.00	13.28	141.42	1,800.12	-188.03	147.68	239.07	0.28	0.26	-0.48
1,857.00	13.23	142.03	1,831.27	-193.79	152.23	246.41	0.46	-0.16	1.91
1,889.00	13.64	143.09	1,862.40	-199.69	156.74	253.84	1.49	1.28	3.31
1,920.00	13.83	143.84	1,892.51	-205.61	161.13	261.20	0.84	0.61	2.42
1,952.00	14.10	144.91	1,923.56	-211.89	165.62	268.92	1.17	0.84	3.34
1,984.00	14.04	147.85	1,954.60	-218.36	169.93	276.68	2.24	-0.19	9.19
2,015.00	14.39	149.32	1,984.66	-224.86	173.90	284.25	1.62	1.13	4.74
2,047.00	14.82	148.74	2,015.62	-231.78	178.05	292.27	1.42	1.34	-1.81
2,079.00	14.53	147.07	2,046.58	-238.64	182.35	300.34	1.60	-0.91	-5.22
2,111.00	13.95	146.62	2,077.59	-245.23	186.66	308.19	1.85	-1.81	-1.41
2,142.00	14.32	145.28	2,107.66	-251.51	190.90	315.75	1.59	1.19	-4.32
2,174.00	14.84	143.71	2,138.63	-258.06	195.58	323.80	2.04	1.62	-4.91
2,206.00	14.87	143.18	2,169.56	-264.65	200.46	332.00	0.43	0.09	-1.66
2,237.00	14.89	143.42	2,199.52	-271.03	205.22	339.96	0.21	0.06	0.77
2,269.00	14.27	142.38	2,230.49	-277.46	210.08	348.02	2.10	-1.94	-3.25
2,301.00	13.73	143.11	2,261.53	-283.62	214.77	355.76	1.78	-1.69	2.28
2,333.00	13.74	141.72	2,292.62	-289.64	219.40	363.35	1.03	0.03	-4.34
2,364.00	13.58	142.76	2,322.74	-295.43	223.88	370.67	0.95	-0.52	3.35

Scientific Drilling

Survey Report

Company: Newfield Exploration Co
Project: Duchesne County, UT NAD83 UTC
Site: Jonah Unit
Well: Jonah Unit K-15-9-16
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Jonah Unit K-15-9-16
TVD Reference: GL 5659' & RKB 12' @ 5671.00ft (NDSI 2)
MWD Reference: GL 5659' & RKB 12' @ 5671.00ft (NDSI 2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi User DB

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2,396.00	13.91	141.17	2,353.83	-301.42	228.57	378.28	1.57	1.03	-4.97
2,428.00	13.87	142.19	2,384.89	-307.44	233.33	385.96	0.78	-0.12	3.19
2,459.00	13.26	141.47	2,415.03	-313.16	237.82	393.23	2.04	-1.97	-2.32
2,491.00	12.92	141.06	2,446.19	-318.81	242.36	400.47	1.10	-1.06	-1.28
2,523.00	13.24	141.04	2,477.36	-324.45	246.91	407.71	1.00	1.00	-0.06
2,555.00	13.48	140.87	2,508.50	-330.19	251.57	415.10	0.76	0.75	-0.53
2,586.00	13.38	141.83	2,538.65	-335.81	256.07	422.30	0.79	-0.32	3.10
2,618.00	14.03	142.49	2,569.74	-341.80	260.72	429.88	2.09	2.03	2.06
2,650.00	14.78	143.64	2,600.73	-348.16	265.50	437.84	2.51	2.34	3.59
2,681.00	14.98	141.84	2,630.69	-354.50	270.32	445.80	1.62	0.65	-5.81
2,713.00	15.50	142.83	2,661.57	-361.16	275.46	454.21	1.82	1.62	3.09
2,745.00	16.45	143.15	2,692.33	-368.19	280.76	463.02	2.98	2.97	1.00
2,777.00	16.22	142.11	2,723.04	-375.34	286.22	472.02	1.16	-0.72	-3.25
2,808.00	15.77	141.92	2,752.84	-382.07	291.48	480.56	1.46	-1.45	-0.61
2,840.00	15.99	140.89	2,783.62	-388.92	296.94	489.32	1.12	0.69	-3.22
2,872.00	14.98	139.82	2,814.46	-395.50	302.39	497.85	3.28	-3.16	-3.34
2,904.00	15.25	138.75	2,845.35	-401.82	307.83	506.18	1.21	0.84	-3.34
2,935.00	16.03	140.54	2,875.20	-408.19	313.24	514.53	2.96	2.52	5.77
2,967.00	16.59	141.73	2,905.91	-415.19	318.88	523.51	2.04	1.75	3.72
2,999.00	15.99	141.10	2,936.63	-422.21	324.47	532.48	1.95	-1.87	-1.97
3,030.00	16.27	141.40	2,966.41	-428.92	329.86	541.09	0.94	0.90	0.97
3,062.00	15.81	138.27	2,997.16	-435.68	335.56	549.92	3.06	-1.44	-9.78
3,094.00	14.83	138.14	3,028.03	-441.98	341.20	558.35	3.06	-3.06	-0.41
3,126.00	15.18	140.71	3,058.94	-448.28	346.58	566.62	2.35	1.09	8.03
3,157.00	15.91	141.07	3,088.80	-454.72	351.82	574.93	2.38	2.35	1.16
3,189.00	15.94	142.27	3,119.57	-461.61	357.27	583.71	1.03	0.09	3.75
3,221.00	15.97	145.05	3,150.34	-468.69	362.48	592.50	2.39	0.09	8.69
3,252.00	16.41	147.09	3,180.11	-475.86	367.30	601.12	2.32	1.42	6.58
3,284.00	16.18	148.83	3,210.83	-483.47	372.07	610.06	1.69	-0.72	5.44
3,316.00	15.86	150.39	3,241.58	-491.09	376.53	618.83	1.68	-1.00	4.87
3,348.00	15.49	149.53	3,272.39	-498.58	380.86	627.40	1.37	-1.16	-2.69
3,379.00	15.79	148.63	3,302.25	-505.67	385.28	635.72	2.70	0.97	-9.35
3,411.00	16.12	144.59	3,333.01	-512.92	390.25	644.50	2.03	1.03	-6.37
3,443.00	16.23	143.27	3,363.75	-520.13	395.50	653.41	1.20	0.34	-4.12
3,474.00	16.32	142.42	3,393.51	-527.05	400.74	662.10	0.82	0.29	-2.74
3,506.00	16.03	142.46	3,424.24	-534.12	406.18	671.01	0.91	-0.91	0.12
3,538.00	15.36	141.78	3,455.05	-540.95	411.49	679.67	2.17	-2.09	-2.12
3,570.00	15.01	141.11	3,485.93	-547.51	416.72	688.05	1.22	-1.09	-2.09
3,601.00	14.89	141.37	3,515.88	-553.74	421.72	696.04	0.44	-0.39	0.84
3,633.00	15.02	140.36	3,546.80	-560.15	426.94	704.30	0.91	0.41	-3.16
3,665.00	14.46	141.07	3,577.74	-566.45	432.09	712.44	1.84	-1.75	2.22
3,696.00	13.73	139.07	3,607.81	-572.24	436.93	719.98	2.83	-2.35	-6.45
3,728.00	13.10	138.22	3,638.94	-577.81	441.84	727.38	2.06	-1.97	-2.66
3,759.00	13.01	137.07	3,669.13	-582.99	446.55	734.36	0.89	-0.29	-3.71
3,792.00	13.05	138.29	3,701.28	-588.49	451.56	741.77	0.84	0.12	3.70
3,823.00	13.50	138.38	3,731.46	-593.80	456.30	748.87	1.45	1.45	0.29
3,855.00	13.60	140.76	3,762.57	-599.51	461.16	756.36	1.77	0.31	7.44
3,887.00	13.32	141.68	3,793.69	-605.32	465.82	763.80	1.10	-0.87	2.87
3,918.00	12.57	143.69	3,823.90	-610.84	470.03	770.75	2.82	-2.42	6.48
3,950.00	11.64	144.05	3,855.19	-616.26	473.99	777.45	2.92	-2.91	1.12
3,982.00	11.06	146.20	3,886.56	-621.42	477.59	783.74	2.24	-1.81	6.72
4,017.00	10.51	150.51	3,920.94	-626.99	481.03	790.26	2.79	-1.57	12.31
4,049.00	9.90	154.31	3,952.44	-632.01	483.66	795.84	2.84	-1.91	11.87
4,080.00	10.08	152.68	3,982.97	-636.82	486.06	801.12	1.08	0.58	-5.26

Scientific Drilling

Survey Report

Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Jonah Unit
Well: Jonah Unit K-15-9-16
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Jonah Unit K-15-9-16
TVD Reference: GL 5659' & RKB 12' @ 5671.00ft (NDSI 2)
MSD Reference: GL 5659' & RKB 12' @ 5671.00ft (NDSI 2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi User DB

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,112.00	10.98	152.72	4,014.43	-642.02	488.74	806.88	2.81	2.81	0.12
4,144.00	11.96	153.41	4,045.79	-647.69	491.63	813.14	3.09	3.06	2.16
4,175.00	12.55	150.83	4,076.08	-653.50	494.70	819.62	2.60	1.90	-8.32
4,207.00	12.29	150.90	4,107.33	-659.52	498.06	826.44	0.81	-0.81	0.22
4,239.00	12.34	148.74	4,138.60	-665.41	501.49	833.21	1.45	0.16	-6.75
4,271.00	12.11	147.15	4,169.87	-671.16	505.08	839.95	1.27	-0.72	-4.97
4,302.00	11.92	147.07	4,200.19	-676.58	508.59	846.38	0.62	-0.61	-0.26
4,334.00	11.52	147.45	4,231.53	-682.04	512.10	852.86	1.27	-1.25	1.19
4,366.00	11.58	146.61	4,262.88	-687.42	515.59	859.25	0.56	0.19	-2.62
4,398.00	11.78	145.63	4,294.21	-692.80	519.20	865.72	0.88	0.62	-3.06
4,429.00	12.33	146.04	4,324.53	-698.15	522.84	872.18	1.80	1.77	1.32
4,461.00	12.69	147.67	4,355.77	-703.96	526.62	879.09	1.58	1.12	5.09
4,493.00	13.56	146.20	4,386.94	-710.04	530.59	886.34	2.91	2.72	-4.59
4,524.00	13.94	144.17	4,417.05	-716.09	534.80	893.70	1.98	1.23	-6.55
4,556.00	14.95	142.51	4,448.04	-722.49	539.57	901.68	3.41	3.16	-5.19
4,588.00	15.17	140.58	4,478.94	-729.00	544.74	909.99	1.71	0.69	-6.03
4,620.00	15.26	139.96	4,509.81	-735.46	550.11	918.38	0.58	0.28	-1.94
4,651.00	14.89	139.79	4,539.75	-741.63	555.30	926.43	1.20	-1.19	-0.55
4,683.00	14.53	140.22	4,570.70	-747.85	560.52	934.55	1.18	-1.12	1.34
4,715.00	14.03	140.17	4,601.71	-753.91	565.58	942.44	1.56	-1.56	-0.16
4,746.00	14.00	139.05	4,631.79	-759.63	570.44	949.94	0.88	-0.10	-3.61
4,778.00	14.33	138.55	4,662.81	-765.52	575.60	957.75	1.10	1.03	-1.56
4,810.00	14.73	139.58	4,693.79	-771.59	580.86	965.76	1.49	1.25	3.22
4,842.00	14.53	139.54	4,724.75	-777.74	586.10	973.83	0.63	-0.62	-0.12
4,873.00	14.31	138.60	4,754.78	-783.57	591.16	981.54	1.04	-0.71	-3.03
4,905.00	14.70	134.76	4,785.76	-789.40	596.66	989.51	3.24	1.22	-12.00
4,936.00	14.73	134.04	4,815.74	-794.91	602.28	997.30	0.60	0.10	-2.32
4,968.00	14.43	134.13	4,846.71	-800.51	608.07	1,005.27	0.94	-0.94	0.28
5,000.00	14.04	133.70	4,877.73	-805.97	613.74	1,013.04	1.26	-1.22	-1.34
5,032.00	13.82	133.43	4,908.79	-811.28	619.32	1,020.65	0.72	-0.69	-0.84
5,063.00	13.79	132.67	4,938.89	-816.33	624.72	1,027.95	0.59	-0.10	-2.45
5,095.00	13.92	133.89	4,969.96	-821.58	630.30	1,035.51	1.00	0.41	3.81
5,127.00	14.27	136.59	5,001.00	-827.12	635.79	1,043.23	2.33	1.09	8.44
5,159.00	14.44	138.57	5,032.00	-832.97	641.14	1,051.14	1.62	0.53	6.19
5,190.00	14.61	138.89	5,062.01	-838.82	646.27	1,058.89	0.61	0.55	1.03
5,219.00	14.88	139.88	5,090.05	-844.42	651.07	1,066.26	1.27	0.93	3.41
5,251.00	15.03	141.44	5,120.97	-850.81	656.30	1,074.52	1.34	0.47	4.87
5,283.00	15.25	143.13	5,151.86	-857.42	661.42	1,082.87	1.54	0.69	5.28
5,314.00	15.56	144.63	5,181.74	-864.07	666.27	1,091.10	1.63	1.00	4.84
5,346.00	15.15	145.44	5,212.60	-871.01	671.12	1,099.57	1.45	-1.28	2.53
5,378.00	14.61	146.32	5,243.53	-877.81	675.74	1,107.77	1.83	-1.69	2.75
5,410.00	14.19	147.40	5,274.52	-884.48	680.09	1,115.71	1.56	-1.31	3.37
5,441.00	13.90	148.75	5,304.60	-890.86	684.07	1,123.20	1.41	-0.94	4.35
5,473.00	13.44	150.81	5,335.69	-897.39	687.87	1,130.70	2.09	-1.44	6.44
5,505.00	12.99	153.06	5,366.84	-903.85	691.32	1,137.92	2.14	-1.41	7.03
5,537.00	12.75	153.57	5,398.04	-910.22	694.52	1,144.92	0.83	-0.75	1.59
5,568.00	13.15	153.25	5,428.25	-916.43	697.63	1,151.75	1.31	1.29	-1.03
5,600.00	13.68	151.03	5,459.38	-922.99	701.10	1,159.07	2.31	1.66	-6.94
5,632.00	14.02	148.17	5,490.45	-929.59	704.98	1,166.67	2.39	1.06	-8.94
5,663.00	14.45	145.78	5,520.50	-935.98	709.13	1,174.27	2.35	1.39	-7.71
5,695.00	14.94	144.24	5,551.45	-942.63	713.79	1,182.38	1.96	1.53	-4.81
5,727.00	14.70	144.65	5,582.38	-949.29	718.55	1,190.56	0.82	-0.75	1.28
5,759.00	14.52	144.14	5,613.35	-955.85	723.25	1,198.62	0.69	-0.56	-1.59
5,854.00	13.97	143.72	5,705.43	-974.75	737.01	1,221.99	0.59	-0.58	-0.44
5,949.00	13.73	145.26	5,797.67	-993.26	750.22	1,244.72	0.46	-0.25	1.62

Scientific Drilling

Survey Report

Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Jonah Unit
Well: Jonah Unit K-15-9-16
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Jonah Unit K-15-9-16
TVD Reference: GL 5659' & RKB 12' @ 5671.00ft (NDSI 2)
MD Reference: GL 5659' & RKB 12' @ 5671.00ft (NDSI 2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi User DB

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,044.00	13.07	145.36	5,890.08	-1,011.36	762.75	1,266.71	0.70	-0.69	0.11
6,066.00	12.62	146.45	5,911.53	-1,015.41	765.49	1,271.60	2.32	-2.05	4.95
6,120.00	12.62	146.45	5,964.22	-1,025.24	772.01	1,283.37	0.00	0.00	0.00

Projection to TD

Targets

Target Name

- Hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- Shape									
JU K-15-9-16 PBHL	0.00	0.00	5,970.00	-861.14	658.40	7,182,997.33	2,033,378.45	40° 1' 50.459 N	110° 5' 47.675 W
- actual wellpath misses target center by 196.69ft at 6066.00ft MD (5911.53 TVD, -1015.41 N, 765.49 E)									
- Circle (radius 75.00)									
JU K-15-9-16 Target	0.00	0.00	5,300.00	-861.14	658.40	7,182,997.33	2,033,378.45	40° 1' 50.459 N	110° 5' 47.675 W
- actual wellpath misses target center by 37.05ft at 5427.13ft MD (5291.13 TVD, -888.01 N, 682.31 E)									
- Circle (radius 75.00)									

Checked By: _____

Approved By: _____

Date: _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTU-017985

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

4. LOCATION OF WELL: FOOTAGES AT SURFACE: COUNTY: DUCHESNE

OTR/OTR SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE, 15, T9S, R16E

STATE: UT

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
JONAH UNIT

8. WELL NAME and NUMBER:
JONAH K-15-9-16

9. API NUMBER:
4301334014

10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
01/30/2009	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 01/06/09, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE

DATE 01/30/2009

(This space for State use only)

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FEB 02 2009

DIV. OF OIL, GAS & MINING

Daily Activity Report**Format For Sundry****JONAH K-15-9-16****11/1/2008 To 3/28/2009****12/16/2008 Day: 1****Completion**

Rigless on 12/15/2008 - Install 5m frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5992' & cement top @ 100'. Perforate stage #1, CP1 sds @ 5548-58' & 5532-38' w/ 3-1/8" Slick Guns (19 gram, .49"EH, 120°) w/ 4 spf for total of 64 shots. 144 BWTR. SWIFN.

12/30/2008 Day: 2**Completion**

Rigless on 12/29/2008 - Day 2a, Stage #1 CP1 sds. RU BJ Services. 128 psi on well. Frac CP1 sds w/ 40,600#'s of 20/40 sand in 653 bbls of Lightning 17 fluid. Broke @ 2970 psi. Treated w/ ave pressure of 1945 psi w/ ave rate of 29.8 BPM. ISIP 2152 psi. Leave pressure on well. 797 BWTR. See day 2b. NOTE: BJ BROKE DOWN W/ 7200# SAND PUMPED. HAD TO FLUSH CSG. W/ 132 BBLs, FIX PROBLEM AND RESTART FRAC. PUMPED EXTRA PAD. TOTAL SAND PUMPED IS 40,600#. Day 2b, Stage #2 C sds. RU The Perforators, llc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 8', 10' perf guns. Set plug @ 4900'. Perforate C sds @ 4790-98' & 4804-14' w/ 3-1/8" Slick Guns (.49"EH, 19 gram, 120°) w/ 4 spf for total of 72 shots. RU BJ Services. 1708 psi on well. Frac C sds w/ 44,338#'s of 20/40 sand in 438 bbls of Lightning 17 fluid. Broke @ 1770 psi. Treated w/ ave pressure of 2065 psi w/ ave rate of 22.8 BPM. ISIP 2226 psi. Leave pressure on well. 1235 BWTR. See day 2c. Day 2c, Stage #3 D1 sds. RU The Perforators, llc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 6' perf gun. Set plug @ 4700'. Perforate D1 sds @ 4656-62' w/ 3-1/8" Slick Guns (.49"EH, 19 gram, 120°) w/ 4 spf for total of 24 shots. RU BJ Services. 1662 psi on well. Frac D1 sds w/ 24,111#'s of 20/40 sand in 340 bbls of Lightning 17 fluid. Broke @ 3208 psi. Treated w/ ave pressure of 2133 psi w/ ave rate of 22.7 BPM. ISIP 2052 psi. Leave pressure on well. 1575 BWTR. See day 2d. Day 2d, Stage #4 GB6 sds. RU The Perforators, llc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 20' perf gun. Set plug @ 4200'. Perforate GB6 sds @ 4100-20' w/ 3-1/8" Slick Guns (.49"EH, 19 gram, 120°) w/ 4 spf for total of 80 shots. RU BJ Services. 1375 psi on well. Frac GB6 sds w/ 55,828#'s of 20/40 sand in 478 bbls of Lightning 17 fluid. Broke @ 1508 psi. Treated w/ ave pressure of 1706 psi w/ ave rate of 22.8 BPM. ISIP 1891 psi. Open well to pit for immediate flowback @ approx. 3 bpm. Well flowed for 6 hrs. & dled. Recovered 864 bbls water. SWIFN.

12/31/2008 Day: 3**Completion**

Nabors #823 on 12/30/2008 - Bleed off well. ND Cameron BOP & 5m frac head. NU 3m production & Shaffer BOP. RIH w/ 4 3/4" chomp bit, bit sub & new 2 7/8" tbgs. from pipe rack (tallying & drifting) to 4000'. SWIFN.

1/1/2009 Day: 4**Completion**

Nabors #823 on 12/31/2008 - RIH w/ tbgs. Tag fill @ 4180'. RU powerswivel & pump. C/O to CBP @ 4200'. DU CBP in 30 min. Cont. RIH w/ tbgs. Tag fill @ 4670'. C/O to CBP @ 4700'. DU CBP in 35 min. Cont. RIH w/ tbgs. Tag fill @ 4890'. C/O to CBP @ 4900'. DU CBP in 40 min. Cont. RIH w/ tbgs. Tag fill @ 5560'. C/O to 5800'. Circulate well clean. Pull up to 5740'. SWIFN.

1/3/2009 Day: 5**Completion**

Nabors #823 on 1/2/2009 - RIH w/ tbg. Tag fill @ 5800'. C/O to PBTD @ 6062'. Circulate well clean. Pull up to 5911'. RIH w/ swab. SFL @ surface. Made 22 runs. Recovered 168 bbls. Trace of oil. No show of sand. EFL @ 1800'. RD swab. SWIFN.

1/6/2009 Day: 6

Completion

Nabors #823 on 1/5/2009 - Bleed off well. RIH w/ tbg. Tag PBTD @ 6062'. Circulate well clean. POOH w/ tbg. LD BHA. RIH w/ 2 7/8" notched collar, 2 jts 2 7/8" tbg., PSN, 1 jt 2 7/8" tbg., 5 1/2" TAC, 178 jts 2 7/8" tbg. ND BOP. Set TAC w/ 18,000# tension. NU wellhead. SWIFN.

1/7/2009 Day: 7

Completion

Nabors #823 on 1/6/2009 - Flush tbg. w/ 50 bbls water. RIH w/ CDI 2 1/2" x 1 3/4" x 16' x 20' RHAC rod pump, 4- 1 1/2" weight bars, 217- 7/8" guided rods (8 per), 1- 8', 6', 2' x 7/8" pony subs, 1 1/2" x 26' polished rod. Seat pump. RU pumping unit. Hang off rods. Fill tbg. w/ 10 bbls water. Stroke test to 800 psi. Good pump action. RD. Put well on production @ 3:30 p.m. 122" stroke length, 4 spm. Final Report.

Pertinent Files: Go to File List